Fishery Management Report No. 08-41

The 2007 Triennial St. Matthew Island Blue King Crab Survey and Comparisons to Historic Surveys

by

Leslie J. Watson

June 2008

Alaska Department of Fish and Game **Divisions of Sport Fish and Commercial Fisheries**

Symbols and Abbreviations

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Weights and measures (metric)

centimeter	cm
deciliter	dL
gram	g
hectare	ha
kilogram	kg
kilometer	km
liter	L
meter	m
milliliter	mL
millimeter	mm

Weights and measures (English)

cubic feet per second	ft^3/s
foot	ft
gallon	gal
inch	in
mile	mi
nautical mile	nmi
ounce	oz
pound	lb
quart	qt
yard	yd

Time and temperature

day	d
degrees Celsius	°C
degrees Fahrenheit	°F
degrees kelvin	K
hour	h
minute	min
second	s

Physics and chemistry

all atomic symbols	
alternating current	AC
ampere	A
calorie	cal
direct current	DC
hertz	Hz
horsepower	hp
hydrogen ion activity (negative log of)	pH
parts per million	ppm
parts per thousand	ppt, ‰
volts	V
watts	W

General

Alaska Administrative Code	AAC
all commonly accepted abbreviations	e.g., Mr., Mrs., AM, PM, etc.
all commonly accepted professional titles	e.g., Dr., Ph.D., R.N., etc.
at	@
compass directions:	
east	E
north	N
south	S
west	W
copyright	©
corporate suffixes:	
Company	Co.
Corporation	Corp.
Incorporated	Inc.
Limited	Ltd.
District of Columbia	D.C.
et alii (and others)	et al.
et cetera (and so forth)	etc.
exempli gratia (for example)	e.g.
Federal Information Code	FIC
id est (that is)	i.e.
latitude or longitude	lat. or long.
monetary symbols (U.S.)	$, ¢
months (tables and figures): first three letters	Jan,...,Dec
registered trademark	®
trademark	™
United States (adjective)	U.S.
United States of America (noun)	USA
U.S.C.	United States Code
U.S. state	use two-letter abbreviations (e.g., AK, WA)

Measures (fisheries)

fork length	FL
mideye-to-fork	MEF
mideye-to-tail-fork	METF
standard length	SL
total length	TL

Mathematics, statistics

all standard mathematical signs, symbols and abbreviations	
alternate hypothesis	H_A
base of natural logarithm	*e*
catch per unit effort	CPUE
coefficient of variation	CV
common test statistics	(F, t, χ^2, etc.)
confidence interval	CI
correlation coefficient (multiple)	R
correlation coefficient (simple)	r
covariance	cov
degree (angular)	°
degrees of freedom	df
expected value	*E*
greater than	>
greater than or equal to	≥
harvest per unit effort	HPUE
less than	<
less than or equal to	≤
logarithm (natural)	ln
logarithm (base 10)	log
logarithm (specify base)	$\log_2$, etc.
minute (angular)	'
not significant	NS
null hypothesis	H_O
percent	%
probability	P
probability of a type I error (rejection of the null hypothesis when true)	α
probability of a type II error (acceptance of the null hypothesis when false)	β
second (angular)	"
standard deviation	SD
standard error	SE
variance	
population	Var
sample	var

FISHERY MANAGEMENT REPORT NO. 08-41

THE 2007 TRIENNIAL ST. MATTHEW ISLAND BLUE KING CRAB SURVEY AND COMPARISONS TO HISTORIC SURVEYS

by

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FOREWORD

The first Alaska Department of Fish and Game (ADF&G) survey of St. Matthew Island blue king crabs was in 1995 (Blau 1996), with additional triennial surveys in 1998 (Blau and Watson 1999b), 2001 (Watson and Burt 2002), and 2004 (Watson 2005). A special nearshore survey was conducted in 1999 (Blau 2000). These surveys were originally funded under the Bering Sea Test Fishery (BSTF) project initiated in 1990 by ADF&G. Since 2001, these surveys have received funding through federal grants for Bering Sea Crab Research from the National Oceanic and Atmospheric Administration. Operational plans for each of the six St. Matthew Island surveys are in Watson et al. (1995), Blau and Watson (1998 and 1999a), Watson and Pengilly (2001), and Watson (2004 and 2007).

ABSTRACT

A survey for blue king crabs *Paralithodes platypus* was conducted in the St. Matthew Island, Alaska area between 59º30' - 60º30' N. lat. and 172º00' - 174º00' W. long. in July and August 2007 aboard the FV *Sultan*. A total of 179 stations and 715 pots were fished for a total catch of 8,455 blue king crabs. Legal-sized male blue king crabs accounted for 37.7% of the survey catch, 32.4% were sublegal-sized males, 24.7% were mature females, 3.7% were immature females, and 1.5% were female crabs of unknown maturity. Depth, location, date, and substrate type were recorded for each pot set and retrieved. Pot catches were enumerated to species; for blue king crabs, shell condition, carapace length (CL), male legal size status, and reproductive condition of females were recorded. Comparative catches by sex and size groupings for 96 stations that were fished in common during the 1995, 1998, 2001, 2004, and 2007 surveys are discussed. Results from the 2007 survey show that the blue king crab stock in the survey area has increased since the historic low in 2004 (1,715 crabs) to nearly that observed in the 1998 survey (8,613 crabs). A total of 21,076 snow crabs *Chionoecetes opilio*, 15 Tanner crabs *C. bairdi*, 18 Tanner x snow crab hybrids, 8 hair crabs *Erimacrus isenbeckii*, and 1 red king crab *Paralithodes camtschaticus* were also captured. Incidental crab catches were assessed for shell condition, carapace width (CW) for *C. opilio*, *C. bairdi*, and Tanner x snow crab hybrids or CL for hair and red king crabs, male legal size status, and reproductive condition of females. Comparative snow crab catches by sex and size groupings for the 96 in-common stations fished in the five triennial surveys are discussed.

Key words: blue king crab, *Paralithodes platypus*; snow crab; *Chionoecetes opilio*; St. Matthew Island, Alaska; pot survey; spatial distribution; abundance; CPUE; catch composition.

INTRODUCTION

The St. Matthew Island Section for blue king crabs *Paralithodes platypus* is within the Northern District of the Bering Sea king crab registration area (Area Q) and includes the waters north of the latitude of Cape Newenham (58°39' N. lat.) and south of the latitude of Cape Romanzof (61°49' N. lat.; Bowers et al. 2008). Commercial fisheries for blue king crabs in the St. Matthew Island Section occurred from the 1977 through the 1998 seasons, with a peak harvest of 9.5 million pounds landed in 1983. The St. Matthew Island blue king crab fishery was declared overfished in 1999 due to an estimated stock size lower than the minimum stock size threshold specified in the Fishery Management Plan for the Bering Sea/Aleutian Islands King and Tanner Crab (NPFMC 2007). The fishery has remained closed through the 2006 season because stock levels have been below the threshold specified in the harvest strategy or have been too low to provide the minimum harvest level of 2.5 million pounds (Bowers et al. 2008). Results from the 2006 National Marine Fisheries Service (NMFS) eastern Bering Sea (EBS) trawl survey indicated that the abundance of legal and sublegal male blue king crabs had increased from a total of 1.8-million crabs in 2005 to 4.2-million crabs in 2006, the highest value since 1998 (Rugulo et al. 2006). However, female abundance estimated by the 2006 trawl survey remained low, at an estimated 0.4-million crabs.

The St. Matthew Island blue king crab stock is poorly surveyed by the annual eastern Bering Sea trawl survey due to the rocky bottom conditions that exist where legal male and mature female crabs are found at highest densities. As a result, abundance estimates of legal males from the trawl survey can be unreliable and virtually no information on mature females is provided by the trawl survey. To address these problems, the Alaska Department of Fish and Game (ADF&G) instituted a triennial pot survey program for St. Matthew Island blue king crabs in 1995, 1998, 2001, and 2004 (Blau 1996, Blau and Watson 1999b, Watson and Burt 2002, Watson 2005) to augment the NMFS EBS trawl survey and performed a special nearshore pot survey for females in cooperation with NMFS in 1999 (Blau 2000). Results of the ADF&G pot surveys have been crucial to understanding the stock distribution relative to fishery effort, fishery performance, and coverage by the NMFS trawl survey. In 1995, a standard survey grid composed of 188 stations located between 59°30' and 60°48' N. lat. and 172°00' and 174°00' W. long. was established based on the historic concentration of fishing effort, geographic distribution, and density of blue king crabs observed in annual NMFS EBS trawl survey catches (Watson et al. 1995). The standard survey grid was expanded in 2004 to include 12 additional stations, 10 of which are located in the shallow waters (11 fm to 20 fm) adjacent to the southern shore of St. Matthew Island (Watson 2004).

As well as providing information from commercially and biologically important areas that are not surveyed by the annual NMFS trawl survey, the closer spacing of survey stations for the ADF&G pot survey relative to the NMFS trawl survey allows for detecting changes in spatial distribution that accompany changes in stock status (Vining et al. 2001). Moreover, in 2001, the pot survey provided important information on the mature female component of the stock relative to the overfished stock status that could not be provided by the NMFS EBS trawl survey alone (Watson and Burt 2002, Watson 2005) and on changes in the distribution and density of snow crabs in the vicinity of St. Matthew Island (Watson 2005). Changes in the catch per unit effort (CPUE, expressed as catch per pot lift) of blue king crabs from triennial pot surveys suggested that the total catch of legal male crabs remained fairly high in the first three surveys, but the catch in the 2004 survey was only 22% of the catch in the 1995 survey (Watson 2005). Total catches of sublegal male crabs were relatively high in the first two surveys but declined by 50% in 2001; by 2004, the total catch of sublegal males was just 20% of the 2001 total catch. As with sublegal males, the total catch of female blue king crabs was also relatively high in the first two surveys, but declines in the next two surveys were much greater. In 2001, the total female crab catch had dropped by 80%; by 2004, the total female crab catch was 30% of the 2001 catch.

Analysis of tagged legal male blue king crab survey releases and recoveries in the 1995 and 1998 St. Matthew Island commercial fisheries has provided information relating to differential recovery rates of tagged crabs between discrete areas within the survey area (Pengilly and Watson 2004). During the 1995 fishery, legal males tagged and released at inshore stations south and southwest of St. Matthew Island were recovered at over 8 times the rate of those tagged and released at offshore stations. In the 1998 commercial fishery, tag recovery rates were also dependent upon area of release; the recovery rate for legal males tagged at inshore stations was 2.7 times higher than for those tagged in offshore stations.

OBJECTIVES

Prioritized objectives for the 2007 St. Matthew Island blue king crab survey were as follows:

1. Obtain a stock abundance index (catch per pot lift, CPUE) of male and female blue king crabs in the waters south of St. Matthew Island during the summer of 2007.

2. Describe the blue king crab population residing in shallow waters from 11 fm to 20 fm (20 m to 37 m) relative to sex, size, and reproductive characteristics.

3. Obtain a stock abundance index (catch per pot lift, CPUE) of snow crabs *Chionoecetes opilio* in the waters south of St. Matthew Island during the summer of 2007.

4. Describe the overall species composition in the survey area.

5. Characterize the benthic habitat in the survey area using a seabed classification system and obtain bottom ocean temperature profiles across the depth ranges fished during the survey.

METHODS

The 27-day survey was conducted aboard the chartered 39.6-m (130-ft) FV *Sultan*, a commercial crab pot vessel, from July 24 to August 20, 2007. The survey charter began and ended in Dutch Harbor with a captain, engineer, and three crewmen. ADF&G staff were: L. Watson (crew leader), K. Renfro (assistant crew leader), S. Byersdorfer, and J. Soong.

SURVEY DESIGN

The 2007 survey station grid encompassed the 2,850 nmi^2 area between 59º30' - 60º30' N. latitude and 172º00' - 174º00' W. longitude and contained 141 primary stations, 24 secondary stations, and 14 additional stations selected for sampling during the survey (Figure 1).

Standard Offshore Area

The 2007 standard offshore survey area and station array was based on the survey grid established in 1995. Two geographic strata with different densities of survey stations were defined: a double-station density directly south of St. Matthew Island (Stratum 2) and a single-station density (Stratum 1) southward and offshore of Stratum 2 (Figure 1). Station layout in Stratum 2 was based on a grid in which stations are spaced 5 nmi north-to-south and east-to-west and overlaid with another 5-nmi by 5-nmi grid offset by 2.5 nmi north-to-south and east-to-west. Stratum 2 has historically produced the highest catches of mature females and legal males and contains the areas of highest fishery effort in historic fisheries. Station layout in Stratum 1 was based on a single 5-nmi by 5-nmi grid. Each station in Strata 1 and 2 were sampled using four rectangular king crab pots set 0.125 nmi apart and arrayed either north-to-south or east-to-west, depending on prevailing wind and tide conditions.

Shallow-Waters Area

Prior to the shallow-water surveys conducted by ADF&G in August 1998 and 1999, the NMFS trawl surveys and the ADF&G pot surveys did not systematically sample the shallow-water ≤20 fm) habitat in the St. Matthew Island area, resulting in the non-assessment of ovigerous female crabs that were believed to reside in the shallows. For that reason, a series of 10 shallow-water stations were identified near the south shore of St. Matthew Island for initial sampling in the 2004 survey and were also sampled in the 2007 survey (Figure 1). Each station

in the new ‘Stratum 3’ was arrayed 2 nmi from adjacent stations and each station consisted of four king crab pots set in a line perpendicular to shore and spaced at 3-fm intervals in order to sample the 11-fm to 20-fm depth range.

A complement of 76 identical king crab pots measuring 7' x 7' x 34" supplied by ADF&G were used and were identical to those used in the 1998, 2001, and 2004 St. Matthew Island surveys. Each pot was webbed with #92 tarred nylon twine with a stretch mesh of 2¾” and each pot had two opposing 8" by 36" tunnel eye openings. Each pot was baited with one gallon of frozen chopped Pacific herring *Clupea pallasi*. The target soak time for each pot was 30 to 36 hours and pots were retrieved in the sequential order that they were set. Actual soak times ranged from 24.3 hours at 4 stations to 95.6 hours at six stations and averaged 49 hours.

Station and sequential pot number, set date and time, lift date and time, bottom type (rock, sand, silt, mud or gravel), latitude and longitude, and gear performance were recorded for each pot set. Survey itinerary and pot sampling methods are detailed in Watson (2007).

CATCH SAMPLING

The contents of each pot fished were enumerated to provide catch per unit effort (CPUE, catch per pot lift) data for blue king crabs, snow crabs *C. opilio*, Tanner crabs *C. bairdi*, and hair crabs *Erimacrus isenbeckii*, and to determine species composition of other captured biota. Catch per unit effort was calculated by dividing the number of crabs caught at each station by the number of pots fished at that station. All sampled crabs were measured, assessed for shell condition according to Donaldson and Byersdorfer (2005) and Jadamec et al. (1999), and examined for macroscopically evident diseases. Carapace length (CL) of blue king and hair crabs was measured from the posterior margin of the right eye orbit to the midpoint of the rear margin of the carapace (Wallace et al. 1949) as illustrated in Donaldson and Byersdorfer (2005). Carapace width (CW) of snow and Tanner crabs was measured across the carapace at the widest part perpendicular to the medial line, with the tips of the calipers reaching inside the lateral spines as in Jadamec et al. (1999). Legal size status was determined for each sampled male crab and documented as described in Watson (2007). Legal male blue king crabs were defined as those crabs ≥5.5-in (140-mm) CW outside the lateral spines; sublegal males were <5.5-in CW. For summarizing data, legal male blue king crabs were assigned as either ‘recruits’ (new-shell crabs <134-mm CL) or ‘post-recruits’ (new-shell crabs ≥134-mm CL and all old- or very old-shell crabs of legal size). Female reproductive conditions were assessed for each sampled crab, including maturity status, clutch condition and fullness, and egg color and development as described in Watson (2007). Mature females were determined by the presence of eggs or empty egg cases on the pleopodal setae whereas immature females had clean setae (no eggs or empty egg cases on the pleopodal setae). Although the size and convexity of the female abdominal flap was not proscribed as an identifying characteristic for female maturity in the Project Operational Plan (Watson 2007), individual female crabs were observed to have clean setae, but had larger, more convex abdominal flaps than those of immature females; a female crab meeting these criteria was classed as ‘maturity unknown’.

Female blue king crabs were subsampled at a single pot containing 314 individual crabs; a randomly-selected sample of 100 of those females were measured prior to release of counted, non-measured crabs. Subsampling of male and female snow crabs for width distributions, shell condition, and female reproductive data were taken at 4 pots to ensure overall survey progress. A minimum of 100 males and 100 females were randomly selected from each pot for measurements prior to release of counted, non-measured crabs.

All other captured invertebrates and fish were identified to species (if possible), counted, and documented to characterize overall catch composition of sampled pots. Commercially important species such as Pacific cod *Gadus macrocephalus*, walleye pollock *Theragra chalcogramma*, Pacific halibut *Hippoglossus stenolepis*, Greenland turbot *Reinhardtius hippoglossoides*, yellowfin sole *Limanda aspera* and northern rock sole *Lepidopsetta polyxystra* were measured to the nearest cm in fork length. Complete pot sampling methods are detailed in Watson (2007).

OCEAN BOTTOM TEMPERATURE DATA COLLECTION

Bottom temperature (°C) and depth profiles were obtained during the survey by deploying a temperature data logger in a single pot at select survey stations. Five Brancker®[1] model TDR-2050/2051 data loggers that record temperature and depth were deployed along with five Brancker® model XR-420-CTD data loggers that recorded conductivity (salinity) in addition to temperature and depth.

BENTHIC HABITAT DATA COLLECTION

Habitat Mapping

Data on benthic habitat types or seabed classification within the survey area was obtained during the charter using QTC VIEW[1] methodology (Quester Tangent Corporation 2004b). Data from the ship's echo sounder were acquired in the form of the first return ping or waveform. Waveforms vary according to the characteristic texture of the surficial seafloor sediment, or the frequency distribution of grain sizes or the immediate subsurface sediment. Waveforms are classified into groups according to different bottom types. Bottom type locations are correlated with a dedicated DGPS/WAAS navigation system, and color images of different bottom types are produced by applying QTC IMPACT software (Quester Tangent Corporation 2004a).

Habitat Sampling

Benthic sediment samples were to be obtained from each bottom type using a Van Veen grab deployed at or near slack tide. However, tidal and current conditions precluded successful launching of the Van Veen grab.

COMPARISON OF THE 2007 SURVEY TO HISTORIC SURVEYS

Total catch, catch per unit effort (CPUE, catch per pot lift), and distribution of blue king crabs among the 1995 – 2007 surveys were compared at 96 stations that were fished in each of the five surveys to afford direct comparisons of the data. However, specific data from other stations fished in any survey year are referenced and noted.

RESULTS AND DISCUSSION

A total of 715 pots from 179 stations were fished at an average depth of 69 m (38 fm) with an average pot soak time of 2 days. The first stations were pulled July 28, 2007 and the last stations were pulled August 18, 2007 (Appendix A). One pot was lost of the 716 pots deployed. Weather conditions during the survey were mild, with overcast skies, 2'-4' ocean swells, and light breezes from the south-to-southeast.

[1] Use of trade names does not constitute an endorsement by ADF&G.

BLUE KING CRABS

2007 Survey

Blue king crabs were captured at 175 of the 179 stations fished; no blue king crabs were captured at stations 121, 143, 160, and 171 (Figure 2 and Appendix A).

Catch and Distribution

A total of 3,189 legal-sized males, 2,736 sublegal-sized males, 2,086 mature females, 315 immature females, and 129 females of unknown maturity were caught during the survey (Table 1). Recruit legal-sized crabs were more abundant than post-recruit legal males in survey catches. The survey catch of large sublegal males ≥105-mm CL was greater than that for small sublegal male crabs <105-mm CL. The survey catch of mature female blue king crabs was larger than that of the immature female catch.

Legal males were primarily captured in Stratum 2 stations and to a lesser extent in Stratum 1 stations; only 24 legal males were captured in Stratum 3 pot catches (Table 2 and Figure 3). The overall survey CPUE for legal males was 4.5 crabs per pot lift (Table 1), with a peak CPUE of 29.8 crabs per pot lift at station 41 (Appendix A1). In contrast to that of legal males, sublegal males were primarily captured in Stratum 1 stations and to a lesser extent in Stratum 2 stations (Table 2 and Figure 3). The overall survey CPUE for sublegal males was 3.8 crabs per pot lift (Table 1), with a peak CPUE of 21.5 crabs per pot lift at station 76 (Appendix A1). Legal and sublegal males were nearly absent from Stratum 3 stations, with a total of 24 and 44 crabs captured, respectively.

The majority of mature females (1,438) were captured in Stratum 3; 440 crabs were captured in Stratum 2 and 208 crabs in Stratum 1 (Table 3 and Figure 4). Ovigerous (egg-bearing) females were almost exclusively captured in Stratum 3; just 30 ovigerous females were captured in Stratums 1 and 2. Two-thirds of the mature females with matted pleopodal setae (an indication that egg-hatching was complete) were found in Stratum 2 stations, the remaining third were distributed in Stratum 1. Females of unknown maturity (clean pleopodal setae and large, convex abdominal flaps) were found in higher numbers in Stratum 1 (65 crabs) stations than in Stratum 2 (47 crabs) or Stratum 3 (17 crabs) stations. The overall survey CPUE of mature females was 2.9 crabs per pot lift (Table 1), with a peak CPUE of 121.3 crabs per pot lift at station 303 (Appendix A2). Two-thirds of the immature females were captured in Stratum 2, with the remaining third split between Stratums 1 and 3 at a ratio of 3 to 1 (Table 3 and Figure 4). The overall survey CPUE of immature females was 0.4 crabs per pot lift (Table 1), with a peak CPUE of 15.5 crabs per pot lift at station 149 (Appendix A2).

Male and female blue king crab catch, CPUE, and station locations are summarized in Appendices A1 and A2.

Size Distributions

Legal male crabs ranged in size from 113-mm CL to 162-mm CL around a mode centered near 130-mm CL (Figure 5). Sublegal males ranged in size from 48-mm CL to 126-mm CL, with a single mode centered near 115-mm CL (Figure 5). Mature females ranged in size from 55-mm CL to 130-mm CL, with a single mode centered at 90-mm CL (Figure 6). Immature females ranged in size from 43-mm CL to 99-mm CL around a small mode near 75-mm CL (Figure 6).

Females of unknown maturity ranged in size from 64-mm CL to 104-mm CL, with a prominent mode near 80-mm CL (Figure 6).

Shell Condition, Capture Injury or Mortality, and Incidence of Diseases or Parasitism

Most (2,493) of the captured legal male crabs were in new-shell condition and 649 legal males were found in old-shell condition (Table 4). Few legal crabs were observed in new-pliable condition (33 crabs) or in very old condition (14 crabs). Nearly all (2,553 crabs) of the captured sublegal male crabs were in new-shell condition (Table 4). Few sublegal crabs were observed to be in new-pliable (13 crabs) or soft-shell condition (1 crab) and only 3 crabs were classified as very old-shell. Captured female crabs were predominantly in new-shell condition (2,422 crabs); the remainder were either old-shell (107 crabs) or very old-shell (1 crab; Table 4).

A total of 198 blue king crabs (2.3% of all blue king crabs captured) were injured as a result of capture: 63 legal males, 79 sublegal males, and 56 females. A total of 12 crabs died as a result of capture: 3 legal males, 2 sublegal males, and 7 females. The presence of chitinoclastic bacterial infections was noted in 4 legal males, 3 sublegal males, and 8 females. Two sublegal males were observed to have microsporidian infestations and one female had parasitic barnacle *Briarosaccus callosus* infestations represented by externae attached within the abdominal flap.

Female Reproductive Condition

Of the 2,530 female blue king crabs captured, 2,086 were assessed as mature, 315 as immature, and 129 as maturity unknown. There were 647 mature females with matted pleopodal setae and 1,439 ovigerous females (Table 3). Of the ovigerous females, most (99.8%) carried uneyed eggs and most (83.8%) of the clutches were purple-to-brown in color (Table 5). Nearly all (94%) ovigerous females were scored as having 1⁄2 full or 3⁄4 full clutches. Two females were observed with dead eggs in their clutches. One female carried eyed eggs and another carried a hatching clutch.

Comparison of the 2007 Survey to Historic Surveys

A combined total of 14,622 legal male, 11,746 sublegal male, and 14,622 female blue king crabs were captured during the five surveys. The 2007 survey catch of 8,455 blue king crabs ranked as the third highest among the five surveys and reversed the downward trend in overall survey catches observed in 2001 and 2004 (Figure 7). The 2007 survey was the most comprehensive of the surveys, with 715 pot lifts from 179 stations. Average soak times for fishing gear were similar between the first four surveys, ranging from 34 hours in 1995 to 39 hours in 2004, as compared to the 2007 average soak time of 49 hours. Average depth fished was deeper in 1995 and 2001 (41 fm), as compared to 37 fm into 1998 and 2004 and 38 fm in 2007. Commercial king crab pots were used in the 1995 survey and, with the exception of new pot doors installed prior to the 2004 survey, the same fishing gear was used in the 1998, 2001, 2004, and 2007 surveys. Total catch and CPUE of blue king crabs by sex and survey year for all stations fished is summarized in Appendices B1, B2, and C1. Data from the 1995, 1998, 2001, and 2004 surveys are referenced from the ‘StMatt95’, ‘StMatt98’, ‘StMatt01’, and ‘StMatt04’ databases as of December 28, 2007.

Among all stations fished in each survey year, the peak catch of legal male blue king crabs declined from a high of 256 crabs in 1995 to a low of 57 crabs in 2004 and increased to 119 crabs in 2007 (Appendix B1). The peak catch of sublegal male crabs also declined, from a high of 167 crabs in 1995 to a low of 37 crabs in 2004 and increased to 86 crabs in 2007

(Appendix B2). Peak catches of females mirrored that observed for male crabs, with a peak catch of 590 crabs in 1995 declining to a low of 50 crabs in 2004; in 2007, however, the peak catch rebounded to 490 crabs (Appendix C1).

Ninety-six stations were fished in common in each of the five surveys (Figure 8). In terms of the total number of stations fished, the representational percentage of the 96 in-common stations has continued to decline from 70% of the 1995 and 1998 stations, to 61% of the 2001 stations, and to about 55% of the 2004 and 2007 stations. Unless otherwise noted, information presented below reflects descriptive comparisons among the five surveys only for the 96 stations fished in common.

Catch and Distribution

Males. The highest overall CPUE of legal male crabs for the 96 in-common stations was 8.3 crabs per pot lift in 1998 and the lowest was 1.2 crabs in 2004 (Table 6). CPUE increased substantially from the 2004 value to 4.8 crabs per pot lift in 2007, but was still below the values observed in 1995 and 2001 of 6.5 and 5.4 crabs per pot lift, respectively. Legal male CPUE in Stratums 1 and 2 were similar to the trend observed area-wide, with the highest CPUE occurring in 1995 and 1998 and the lowest CPUE in 2004, intermediate values observed in 2001, and substantial increases in 2007 (Table 6). Survey catch trends of recruit and postrecruit legal male crabs were similar to catch trends observed area-wide, with the exception of Stratum 2, where the 2007 survey catch of 486 recruit-sized crabs was the highest among the five surveys (Table 6).

Legal male blue king crabs were captured at all 96 in-common stations fished in the 2007 survey, at 94 stations in the 1995 and 1998 surveys, and at 93 stations in the 2001 survey (Figure 9). In 2004, however, legal male crabs were captured at just 74 of the 96 in-common stations fished (Figure 9). Legal male crabs were observed in greater densities at stations closest to shore in the 1995 and 2007 surveys than in the 1998, 2001, and 2004 surveys.

Sublegal male CPUE was highest in 1995 at 6.7 crabs per pot lift and in 1998 at 5.4 crabs per pot lift and lowest in 2004 (0.7 crabs per pot lift; Table 6). Intermediate CPUE values were observed in 2001 and 2007 at 3.5 and 4.4 crabs per pot lift, respectively. Within Stratum 1 stations, CPUE ranged from 4.0 to 4.5 crabs per pot lift in the 1995, 1998, and 2007 surveys, with lower CPUE values observed in 2001 (2.4 crabs per pot lift) and 2004 (0.2 crabs per pot lift; Table 6). Sublegal male CPUE in Stratum 2 was very high in 1995 (12.5 crabs per pot lift) and lowest in 2004 (1.7 crabs per pot lift), with intermediate CPUE values in 1998, 2001, and 2007 of 7.1, 6.0, and 4.8 crabs per pot lift, respectively.

Sublegal male blue king crabs were captured at all 96 in-common stations fished in the 1995 and 1998 surveys, at 93 stations in the 2007 survey, and at 89 stations in the 2001 survey (Figure 10). In 2004, however, sublegal male crabs were captured at just 51 of the 96 in-common stations fished (Figure 10). As was the case with legal-sized crabs, sublegal males were observed in greater densities at stations closest to shore only in the 1995 and 2007 surveys.

Females. The highest CPUE of mature females among the 96 in-common stations was observed in 1995 (4.0 crabs per pot lift) and 1998 (5.3 crabs per pot lift), with significantly lower CPUEs observed in 2001 (1.0 crab per pot lift) and 2007 (1.0 crab per pot lift); the lowest CPUE was in 2004 at just 0.3 crabs per pot lift (Table 7). The CPUE trend of immature female crabs was similar to that of mature females, with highest CPUE occurring in 1995 and 1998; lower CPUEs

in 2001 and 2007, and the lowest CPUE in 2004. The CPUE of mature and immature female crabs was higher in Stratum 2 stations in every survey year than the CPUE of mature and immature females in Stratum 1 stations, with the highest CPUE observed in 1995 (12.2 crabs per pot lift) and 1998 (15.4 crabs per pot lift; Table 7).

The distribution of female crabs within the 96 in-common stations has always been concentrated to the area just southwest of the island (Figure 11). During the 1998 survey, females were captured at 56 of the 96 stations fished in common, more stations than in any other survey year. In the 1995, 2001, and 2007 surveys, females were captured at 37, 46, and 40 of the 96 in-common stations fished, respectively. In 2004 however, females were observed at only 18 of the 96 stations fished in common.

Direct comparisons of female catch and distribution can be made for the 170 stations that were fished in both 2004 and 2007. In 2007, the female crab catch increased substantially over the level observed in 2004, increasing from a total of 149 crabs in 2004 to 2,400 crabs in 2007 (Table 8). Female crabs were largely absent from Stratum 1 stations in both years as was the case in the previous three surveys (Tables 7 and 8). Catches in Stratum 2 stations were higher in 2007 than in 2004, with a CPUE of 0.5 crabs per pot lift in 2004 and 3.9 crabs per pot lift in 2007. The biggest change in the CPUE of mature females was observed in Stratum 3, where the CPUE increased from 0.9 crabs per pot lift in 2004 to 41.1 crabs per pot lift in 2007. Most (2,087) of the 2,400 crabs caught in 2007 were mature females. In 2004 however, the catch of mature females (86) slightly outnumbered the catch of immature females (64).

Mature females were captured at nearly the same number of stations in 2004 and 2007, at 45 and 46 of the 170 in-common stations fished, respectively. In 2004, immature females were captured fewer stations (23) than in 2007 (39). Of the nine Stratum 3 stations fished in common, mature female crabs were captured at 6 stations in 2004 as compared to all 9 stations in 2007 (Figure 12). Within the 58 stations fished in Stratum 2, mature females were captured at more stations in 2004 (35) than in 2007 (31). Mature females were largely absent from Stratum 1 stations in both years, with captures at 4 and 6 of the 170 stations in 2004 and 2007, respectively. Immature female crabs were captured at 4 stations within Stratum 3 in 2004 as compared to captures at 8 of the Stratum 3 stations in 2007 (Figure 13). Within the 58 stations fished in Stratum 2, immature females were captured at 18 and 25 stations in 2004 and 2007, respectively. As was the case with mature females, immature females were largely absent from Stratum 1 stations in both years, with captures at 4 and 8 of the 170 stations in 2004 and 2007, respectively.

Size Distributions

The comparative length distributions for blue king crabs from the five surveys include data from all stations fished in each year. Male length distributions were similar in the 1998, 2001, and 2004 surveys, with the legal male mode centered at 130-mm CL (Figure 14). The 1995 and 2007 male distributions were similar in that the center of the modes was less than 130-mm, at about 125-mm CL. Female length distributions were similar in the first three surveys, with a single large mode centered at 95-mm CL (Figure 15). In 2004, the central mode was near 100-mm CL, with secondary peaks in the larger size classes at 115-mm and 125-mm CL. The difference between the 2007 female length distribution and the previous four surveys was remarkable in that the 2007 females were much smaller (90-mm CL) and their size range much narrower than previously observed.

Shell Condition and Incidence of Diseases or Parasitism

The comparative shell conditions and incidence of diseases or parasitism for blue king crabs from the five surveys include data from all stations fished in each year. The dominant shell condition category in the 1998, 2001, and 2007 surveys was new-shell (Table 4). Most of the legal and sublegal male blue king crabs in the 1995 survey were new-shelled; however, direct comparisons to the 1998, 2001, and 2007 surveys data sets can not be made due to inconsistent shell condition assignments made during the 1995 survey. Most notably, however, is the dominance of old or very old-shell legal male crabs in the 2004 survey (Table 4). Shell conditions of female crabs in 1995 and 1998 were assessed using criteria involving reproductive condition and exoskeletal features and are not comparable to the other three surveys and are not summarized here. In 2001 and 2004, females were mostly in new-shell condition, at 68% and 60%, respectively (Table 4). In 2007, new-shelled females accounted for nearly 96% of the sampled females.

Chitinoclastic bacterial infections were rarely observed in any survey year, affecting three male crabs in 1998 and two male crabs in 2001; 7 males and 8 females were noted with the infection in the 2007 survey. It is not known to what extent that crabs were or were not assessed for this characteristic in the remaining surveys.

Female Reproductive Condition

Comparative reproductive data for female blue king crabs include data from all stations fished in each survey year. The total number of egg-bearing females in the first four surveys was low, ranging from 39 crabs in 2001 to 63 in 1998 and 67 in 1995 as compared to the catch of 1,439 females observed in the 2007 survey (Table 5). Clutch fullness scores of 60-100 percent were observed in about 50% of the females in 1995 and 2001 and accounted for nearly 70% of the sampled crabs in 1998. The definitions of categories used to determine clutch fullness scores changed between the 2001 and 2004 surveys. In 2004, 85% of the examined females had clutches scored as 3/4 full or as full, whereas in 2007, that percentage fell to 54% (Table 5). Among all surveys, eggs were mostly purple to brown in color, and except for 1995, most eggs were in uneyed condition with few dead eggs.

SNOW CRABS

2007 Survey

Snow crabs were captured at 137 of the 179 stations fished during the survey (Figure 16 and Appendix D1).

Catch and Distribution

A total of 15,858 legal-sized males, 4,460 sublegal-sized males, 467 mature females, and 291 immature females were caught during the survey (Table 9). ‘Small’ legal-sized male crabs between 79-mm CW and 101-mm CW were more abundant (55.7%) in the survey catch than were ‘large’ (≥ 102-mm CW) legal males (19.5%). Sublegal male crabs accounted for 21.2% of the overall snow crab catch. Mature female snow crabs were encountered more frequently (2.2%) in the total survey catch than were immature females (1.4%), but overall female survey catches were low. The overall survey CPUE for legal males was 22.2 crabs per pot lift (Table 9), with a peak survey CPUE of 114.8 crabs per pot lift at station 82 (Appendix D1). The overall survey CPUE for sublegal males was 6.2 crabs per pot lift (Table 9), with a peak CPUE of 42.0

crabs per pot lift at station 71 (Appendix D1). The overall survey CPUE for mature and immature female snow crabs combined was 1.1 crabs per pot lift (Table 9). The peak CPUE observed for mature females was 19.0 crabs per pot lift at station 86 and the peak CPUE of immature females was 10.8 crabs per pot lift at station 15 (Appendix D1).

Most (83.6%) of the legal male snow crabs and most of the sublegal males (79.1%) and females (80.9%) were captured at Stratum 1 stations (Table 10 and Figure 16). In Stratum 2, catches were lower and located at the mid-to-outer portion of the stratum. No snow crabs were captured in the nearshore Stratum 3 stations. Legal and sublegal male snow crabs were broadly distributed within Stratum 1 and the southern portion of Stratum 2, with greater numbers of sublegal crabs observed in the northeastern edge of their survey distribution (Figure 17). Mature females were captured at 56 stations, mostly within Stratum 1, whereas immature females occurred in only 22 stations located near or in the southeastern quadrant of Stratum 2 (Figure 18). Male and female snow crab catch, CPUE, and station locations are summarized in Appendix D1.

Size Distributions

Legal male crabs ranged in size from 79-mm CW to 138-mm CW around a single mode centered near 90-mm CW (Figure 19). Sublegal males ranged in size from 40-mm CW to 78-mm CW, with a single mode centered near 75-mm CW (Figure 19). Mature females ranged in size from 41-mm CW to 100-mm CW, with a single mode centered at 55-mm CW (Figure 20). Immature females ranged in size from 22-mm CW to 93-mm CW, with a single mode also centered at 55 mm CW (Figure 20).

Shell Condition, Capture Injury or Mortality, and Incidence of Diseases or Parasitism

Legal male crab shell conditions were nearly equally split between new-shell (47.9%) and old-to-very, very old-shell (52.1%) (Table 11). Sublegal male shell conditions were similar to that of legal males, with 46.2% in new-shell condition and 53.7% in old-to-very, very old-shell condition. Captured female crabs were predominantly in new-shell condition (86.4%), and the remaining crabs were old-to-very, very old-shell (13.6%; Table 11).

A total of 337 snow crabs (1.6% of all snow crabs captured) were injured as a result of capture: 257 legal males, 61 sublegal males, and 19 females. A total of 59 crabs died as a result of capture: 30 legal males, 20 sublegal males, and 9 females. The presence of chitinoclastic bacterial infections was noted in 9 legal males and 3 sublegal males. The occurrence of bitter crab disease was noted in 10 legal and 1 sublegal male snow crabs.

Female Reproductive Condition

Of the 758 female snow crabs captured, 467 (61.6%) were assessed as mature and 291 (38.4%) as immature (Table 9). There were 4 mature females with matted pleopodal setae and 12 with clean setae. Of the 451 ovigerous females, all of the clutches contained uneyed eggs and most (99.1%) of the clutches were orange in color (Table 12). Nearly all (88.7%) of the ovigerous females were scored as having 1⁄2 full or 3⁄4 full clutches (Table 12). No dead eggs were observed in ovigerous female snow crab clutches.

Comparison of the 2007 Survey to Historic Surveys

A combined total of 74,846 legal male, 33,407 sublegal male, and 13,210 female snow crabs were captured during the five surveys (Table 13). The 2007 survey catch of 21,076 snow crabs ranked as the third highest among the five surveys and reversed the downward trend observed

between 2001 and 2004 (Figure 21). Unless otherwise noted, information presented below reflects descriptive comparisons among the five surveys only for the 96 stations fished in common. Data from the 1995 – 2004 surveys is referenced from Appendices D1 (males) and E1 (females) in Watson (2005).

Catch and Distribution

Males. The highest overall CPUE of legal male crabs among the 96 in-common stations was 64.2 crabs per pot lift in 1998 and the lowest was 1.6 crabs in 2004 (Table 14). CPUE increased substantially in 2007 (24.6 crabs per pot), but was still below the 31.4 crabs per pot lift observed in 2001. Legal male CPUE in Stratum 1 was highest in 1998 at 90.7 crabs per pot lift and lowest in 2004 (2.3 crabs per pot lift). The highest legal male CPUE in Stratum 2 stations was 11.5 crabs per pot lift in 2007. The overall sublegal male CPUE was highest in 2001 at 31.2 crabs per pot lift and lowest in 2004 at 0.3 crabs per pot lift (Table 14). Within Stratum 1 stations, CPUE ranged from a low of 0.4 in the 2004 survey to a high of 44.2 crabs per pot lift in 2001. Sublegal male catch rates in Stratum 2 ranged from a high of 17.4 crabs per pot lift in 2007 to a low of 0.0 crabs per pot lift in 1995. Male snow crabs were widely distributed offshore in all surveys, and were mostly captured in Stratum 1 stations (Figure 17, this report; Figure 14 in Watson 2005).

Females. The highest CPUE of females among the 96 in-common stations occurred in 2001 (11.8 crabs per pot lift); significantly lower catches were observed in the 1995, 1998, 2004, and 2007 surveys (Table 14). As was the case with legal and sublegal males, females were observed in greater numbers at Stratum 1 stations, reaching a peak CPUE of 16.5 crabs per pot lift in the 2001 survey. Female snow crabs, when present, were less densely concentrated in Stratum 1 stations as compared to the relatively high densities of male snow crab observed in Stratum 1 stations.

Size Distributions

The comparative width distributions for snow crabs from the five surveys include data from all stations fished in each year. For male snow crabs, the central mode has varied among the five surveys, from about 70-mm CW in 2001 (Figure 20, Watson 2005) to 90-mm CW in 2007 (Figure 19, this report). In 1998 and 2004, male crabs were larger, at 95-mm CW (Figure 20, Watson 2005). Female snow crab width distributions were similar in the 1998 – 2007 surveys, with a central mode ranging from 50-mm CW to 55-mm CW (Figure 21, Watson 2005; Figure 20, this report). Few (12) female crabs were captured in 1995, with apparent modes at 60-mm CW, 70-mm CW, and 80-mm CW (Figure 21, Watson 2005).

Shell Condition

The comparative shell conditions for snow crabs from the five surveys include data from all stations fished in each year. The percentage of new-shell legal males declined from a high of 87.3% in 1995 to a low of 39.6% in 2004 and increased in 2007 to 47.9% (Table 11). The majority of sublegal males were new-shelled in the 1995 – 2004 surveys, averaging 74% among those surveys (Table 11). In 2007, new-shell sublegal male crabs accounted for about 46% of the sublegal male crabs that were sampled. The majority of female snow crabs were in new-shell condition in each of the five surveys, ranging from 62.5% in 1995 to a high of 99.3% in 2001 (Table 11).

Female Reproductive Condition

Prior to the 2001 survey, mature and immature female snow crabs were not enumerated separately. The ratio of mature-to-immature females has varied between the 2001 – 2007 surveys, at 1:1 in 2001, 8.7:1 in 2004 (Watson 2005), and 1.6:1 in the 2007 survey. Though clutch fullness varied, other reproductive characteristics of ovigerous females were similar among the five surveys, with most carrying clutches of orange uneyed eggs (Table 12).

DISTRIBUTION OF BLUE KING AND SNOW CRABS

In 2007, blue king crabs were primarily captured in the northern portion of Stratum 2 and the Stratum 3 stations (Figure 22), a pattern also observed in previous surveys. Conversely, most of the captured snow crabs were found either in Stratum 1 stations or in the offshore portion of Stratum 2. The two species co-occurred in areas of lesser blue king crab densities in the southern Stratum 2 stations and in Stratum 1; snow crabs dominated catches within these areas.

SPECIES COMPOSITION OF 2007 SURVEY CATCHES

There were 59 taxa identified in survey pots, including blue king and snow crabs (Table 15). Other crabs captured during the 2007 survey included a single mature female red king crab *Paralithodes camtschaticus*, 8 hair crabs, and 14 sublegal male and 1 immature female Tanner crabs. A total of 18 Tanner crab hybrids were also captured including 6 legal males: 7 sublegal males, 1 mature female, and 4 immature females. Invertebrate species caught by major subgroup included 1 octopus, 21 jellyfish, 2,707 *Hyas* crabs, 371 hermit crabs, 695 snails and whelks, 5 clams and cockles, and 747 sea stars.

Highest catches of commercially-important fish species included 150 Pacific halibut, 54 yellowfin sole, 1,399 Pacific cod, and 225 walleye pollock (Table 15). Highest catches of other fish captured during the survey included 240 Alaska skates *Bathyraja parmifera*, 239 flatfish, and 190 sculpins.

FISH LENGTH DISTRIBUTIONS

A total of 1,856 fish were measured during the survey. Greenland turbot (n = 4) ranged in size from 63-cm to 91-cm and averaged 81-cm in fork length (FL). Pacific halibut (n = 148) ranged in size from 50-cm to 159-cm and averaged 99-cm FL. Yellowfin sole (n = 53) ranged in size from 26-cm to 44-cm and averaged 37-cm FL. Northern rock sole (n = 31) ranged in size from 30-cm to 50-cm and averaged 40-cm FL. Pacific cod (n = 1,396) ranged in size from 26-cm to 107-cm and averaged 66-cm in fork length. Walleye pollock (n = 224) ranged in size from 29-cm to 79-cm and averaged 56-cm FL.

OCEAN BOTTOM TEMPERATURES

Ocean bottom temperatures were obtained at 104 of the 179 stations fished during the 2007 survey, at average depths ranging from 16 fm to 63 fm (Table 16). The minimum temperature of -1.2°C was observed at stations 85, 97, and 156, with an average depth of 43 fathoms. The maximum temperature 6.3°C was observed at stations 303, 304, and 306, with an average depth of 20 fathoms. The overall survey average temperature was 0.7°C. The temperature distribution generally varied with depth. Lowest temperatures were recorded between 40-fm and 50-fm, averaging -0.3°C (Figure 23). At depths greater than 50 fathoms, however, temperatures increased somewhat and averaged 0.4°C. Highest temperatures were observed at depths less than

30 fathoms and averaged 4.6°C. A noticeable spike in the average temperatures recorded at 16 stations in the 35-fm depth was observed, at 1.6°C (Figure 23).Temperature distributions were distinct spatially; at station 170 (39 fms), just northwest of Hall Island, the average temperature was 2.6°C, much warmer than observed for data collected in the 40-fm to 50-fm range (Figure 24).

BENTHIC HABITAT MAPPING

Benthic habitat data in the form of geocoded wave form tracks was collected at all stations fished during the survey, either at the time gear was set or retrieved, and in the great majority of stations, when station pots were set and retrieved. Due to the amount of data collected and the complexity of analyzing them, the results will be reported in a future document.

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TABLES AND FIGURES

Table 1.–Blue king crab catch and catch per unit effort (CPUE; catch per pot lift) by sex and size category from the 2007 St. Matthew Island survey.

	Total Catch		
Sex/Size Category	Number	Percent	CPUE
Legal Males			
Recruit	1,726	20.4	2.4
Post-Recruit	1,463	17.3	2.0
Total:	3,189	37.7	4.5
Sublegal Males			
<105-mm CL	1,066	12.6	1.5
≥ 105-mm CL	1,670	19.8	2.3
Total:	2,736	32.4	3.8
Females			
Mature	2,086	24.7	2.9
Immature	315	3.7	0.4
Maturity Unknown	129	1.5	0.2
Total:	2,530	29.9	3.5
Grand Total:	8,455	100	11.8

Table 2.–Male blue king crab catch and catch per unit effort (CPUE; catch per pot lift) by stratum from the 2007 St. Matthew Island survey.

			Legal Males				Sublegal Males			
Stratum	Stations	Pots	Recruit	Post-Recruit	Total Number	CPUE	<105-mm CL	≥ 105-mm CL	Total Number	CPUE
1	115	460	824	510	1,334	2.9	585	1,053	1,638	3.6
2	55	220	891	940	1,831	8.3	452	602	1,054	4.8
3	9	35	11	13	24	0.7	29	15	44	1.3
All Strata	179	715	1,726	1,463	3,189	4.5	1,066	1,670	2,736	3.8

Table 3.–Female blue king crab catch and catch per unit effort (CPUE; catch per pot lift) by stratum from the 2007 St. Matthew Island survey.

			Mature				Immature		Maturity Unknown	
Stratum	Stations	Pots	Ovigerous	Matted Setae	Total Number	CPUE	Total Number	CPUE	Total Number	CPUE
1	115	460	28	180	208	0.5	71	0.2	65	0.1
2	55	220	2	438	440	2.0	220	1.0	47	0.2
3	9	35	1,409	29	1,438	41.1	24	0.7	17	0.5
All Strata	179	715	1,439	647	2,086	2.9	315	0.4	129	0.2

Table 4.–Shell condition of blue king crabs from the five triennial St. Matthew Island pot surveys, 1995 - 2007; data presented is from all stations fished in each survey year.

Sex/Size Category	Shell Condition	1995[a]		1998[b]		2001[c]		2004[d]		2007	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Legal Males	New-Pliable	506	13.1	1	<0.1	3	<0.1	0	0	33	1.0
	New	1,239	32.2	3,003	79.7	2,445	82.9	358	41.6	2,493	78.2
	New or Old	1,084	28.1	[e]	[e]	[e]	[e]	[e]	[e]	[e]	[e]
	Old	923	24.0	644	17.1	498	16.9	463	53.8	649	20.4
	Very Old	99	2.6	121	3.2	6	0.2	40	4.6	14	0.4
	Total:	3,851	100	3,769	100	2,952	100	861	100	3,189	100
Sublegal Males	New-Pliable	899	23.6	5	0.2	0	0.0	0	0.0	14[f]	0.5
	New	1,542	40.5	2,447	94.5	1,959	95.1	439	78.7	2,553	93.3
	New or Old	841	22.1	[e]	[e]	[e]	[e]	[e]	[e]	[e]	[e]
	Old	503	13.2	132	5.1	100	4.9	112	20.1	166	6.1
	Very Old	22	0.6	5	0.2	0	0.0	7	1.2	3	0.1
	Total:	9,807	100	2,589	100	2,059	100	558	100	2,736	100
Females	New-Pliable	[g]	[g]	[g]	[g]	0	0.0	0	0.0	0	0.0
	New	[g]	[g]	[g]	[g]	501	68.0	176	59.5	2,422	95.7
	Old	[g]	[g]	[g]	[g]	236	32.0	111	37.5	107	4.2
	Very Old	[g]	[g]	[g]	[g]	0	0.0	9	3.0	1	<0.1
	Total:	[g]	[g]	[g]	[g]	737	100	296	100	2,530	100

[a] 1995 survey data from Blau (1996) and the 'StMatt95' database, December 28, 2007.

[b] 1998 survey data from Blau and Watson (1999a) and the 'StMatt98' database, December 28, 2007.

[c] 2001 survey data from Watson and Burt (2002) and the 'StMatt01' database, December 28, 2007.

[d] 2004 survey data from Watson (2005) and the 'StMatt04' database, December 28, 2007.

[e] Category not used in the 1998, 2001, 2004, or 2007 surveys. Shell condition coding inconsistencies in the first third of the 1995 survey resulted in a combined 'new or old' category.

[f] Includes one sublegal male in molting condition.

[g] Female crabs from the 1995 and 1998 surveys were assigned shell condition categories based on a combination of reproductive condition and exoskeletal features and are not comparable to shell condition data collected in the 2001, 2004, and 2007 surveys (Blau 1996; Blau and Watson 1999b).

Table 5.–Clutch and egg characteristics for ovigerous female blue king crabs from the five triennial St. Matthew Island pot surveys, 1995 – 2007; data presented is from all stations fished in each survey year.

	1995[a]		1998[b]		2001[c]			2004[d]		2007	
Characteristic	Number	Percent	Number	Percent	Number	Percent	Characteristic	Number	Percent	Number	Percent
Clutch Fullness							**Clutch Fullness**				
1-29% full	31	46.3	11	17.5	7	17.9	Trace to 1/8 full	1	1.5	13	0.9
30-59% full	0	0.0	7	11.1	12	30.8	1/4 full	2	2.9	49	3.4
60-89% full	12	17.9	22	34.9	12	30.8	1/2 full	7	10.3	601	41.8
90-100% full	24	35.8	22	34.9	8	20.5	3/4 full	40	58.8	751	52.2
Not Recorded	0	0.0	1	1.6	0	0.0	100% full	18	26.5	25	1.7
Total:	67	100	63	100	39	100	Total:	68	100	1,439	100
Egg Development							**Egg Development**				
Uneyed	17	25.4	51	81.0	37	94.9	Uneyed	68	100	1,437	99.8
Eyed	18	26.9	3	4.8	1	2.6	Eyed	0	0.0	1	0.1
Hatching	5	7.5	9	14.3	0	0.0	Hatching	0	0.0	1	0.1
Not Recorded	27	40.3	0	0.0	1	2.6	Not Recorded	0	0.0	0	0.0
Total:	67	100	63	100	39	100	Total:	68	100	1,439	100
Egg Color							**Egg Color**				
Tan	4	6.0	0	0.0	1	2.6	Tan	0	0.0	0	0.0
Purple	16	23.9	20	31.7	13	33.3	Purple	23	33.8	1,057	73.4
Brown	9	13.4	27	42.9	0	0.0	Brown	6	8.8	142	9.9
Purple-brown	11	16.4	7	11.1	24	61.5	Purple-brown	38	55.9	7	0.5
Pink	0	0.0	6	9.5	0	0.0	Pink	0	0.0	0	0.0
Reddish	1	1.5	3	4.8	0	0.0	Reddish	1	1.5	233	16.2
Not Recorded	26	38.8	0	0.0	1	2.6	Not Recorded	0	0.0	0	0.0
Total:	67	100	63	100	39	100	Total:	68	100	1,439	100
Dead Eggs							**Dead Eggs**				
Not Apparent	33	49.2	58	92.1	37	95.0	Not Apparent	68	100	1,437	99.8
Less than 20%	3	4.5	5	7.9	1	2.5	Less than 20%	0	0.0	1	0.1
Greater than 20%	0	0.0	0	0.0	0	0.0	Greater than 20%	0	0.0	1	0.1
Not Recorded	31	46.3	0	0.0	1	2.5	Not Recorded	0	0.0	0	0.0
Total:	67	100	63	100	39	100	Total:	68	100	1,439	100

[a] 1995 survey data from Blau (1996) and the 'StMatt95' database, December 28, 2007.

[b] 1998 survey data from Blau and Watson (1999a) and the 'StMatt98' database, December 28, 2007.

[c] 2001 survey data from Watson and Burt (2002) and the 'StMatt01' database, December 28, 2007.

[d] 2004 survey data from Watson (2005) and the 'StMatt04' database, December 28, 2007.

Table 6.–Male blue king crab catch and catch per unit effort (CPUE; catch per pot lift) by stratum from the five triennial St. Matthew Island pot surveys, 1995- 2007; data presented is from the 96 stations fished in common in all survey years.

	Legal Males					Sublegal Males				
Strata/Survey Year	Recruits	Post-Recruits	Unknown Category	Total Number	Ave. CPUE	<105-mm CL	≥105-mm CL	Unknown Category	Total Number	Ave. CPUE
Stratum 1 (65 stations, 260 pots)										
1995[a]	519	550	55	1,124	4.3	433	601	0	1,034	4.0
1998[b]	942	1,044	2	1,988	7.7	280	897	2	1,179	4.5
2001[c]	512	585	0	1,097	4.2	229	387	1	617	2.4
2004[d]	56	110	0	166	0.6	13	35	0	48	0.2
2007	575	305	0	880	3.4	384	717	0	1,101	4.2
Stratum 2 (31 stations, 124 pots)										
1995[a]	248	329	787	1,364	11.0	744	799	1	1,544	12.5
1998[b]	399	806	0	1,205	9.7	531	354	0	885	7.1
2001[c]	354	604	1	959	7.7	413	327	4	744	6.0
2004[d]	65	209	0	274	2.2	89	122	0	211	1.7
2007	486	487	0	973	7.8	265	333	0	598	4.8
All Strata (96 stations, 384 pots)										
1995[a]	767	879	842	2,488	6.5	1,177	1,400	0	2,578	6.7
1998[b]	1,341	4,850	2	3,193	8.3	811	1,251	2	2,064	5.4
2001[c]	866	1,189	1	2,056	5.4	642	714	5	1,361	3.5
2004[d]	121	319	0	440	1.2	102	157	0	259	0.7
2007	1,061	792	0	1,853	4.8	649	1,050	0	1,699	4.4

[a] 1995 survey data from Blau (1996) and the 'StMatt95' database, December 28, 2007.

[b] 1998 survey data from Blau and Watson (1999a) and the 'StMatt98' database, December 28, 2007.

[c] 2001 survey data from Watson and Burt (2002) and the 'StMatt01' database, December 28, 2007.

[d] 2004 survey data from Watson (2005) and the 'StMatt04' database, December 28, 2007.

Table 7.–Female blue king crab catch and catch per unit effort (CPUE; catch per pot lift) by stratum from the five triennial St. Matthew Island pot surveys, 1995 - 2007; data presented is from the 96 stations fished in common in all survey years.

Strata/Survey Year	Mature Females	Immature Females	Maturity Unknown	Total Number	Average CPUE
Stratum 1					
(65 stations, 260 pots)					
1995[a]	10	17	0	27	0.1
1998[b]	97	30	1	128	0.5
2001[c]	20	14	0	34	0.1
2004[d]	3	0	0	3	<0.1
2007	7	4	30	41	0.2
Stratum 2					
(31 stations, 124 pots)					
1995[a]	1,259	258	1	1,518	12.2
1998[b]	1,566	343	0	1,909	15.4
2001[c]	258	85	0	343	2.8
2004[d]	51	63	0	114	0.9
2007	176	144	21	341	2.8
All Strata					
(96 stations, 384 pots)					
1995[a]	1,269	275	1	1,545	4.0
1998[b]	1,663	373	1	2,037	5.3
2001[c]	278	99	0	377	1.0
2004[d]	54	63	0	117	0.3
2007	183	148	51	382	1.0

[a] 1995 survey data from Blau (1996) and the 'StMatt95' database, December 28, 2007.

[b] 1998 survey data from Blau and Watson (1999a) and the 'StMatt98' database, December 28, 2007.

[c] 2001 survey data from Watson and Burt (2002) and the 'StMatt01' database, December 28, 2007.

[d] 2004 survey data from Watson (2005) and the 'StMatt04' database, December 28, 2007.

Table 8.–Female blue king crab catch and catch per unit effort (CPUE; catch per pot lift) by stratum from the 2004 and 2007 St. Matthew Island pot surveys; data presented is from the 170 stations fished in both years.

		2004[a]							2007						
			Immature		Mature		Total			Immature		Mature		Total	
Stratum	Stations	Pots	No.	CPUE	No.	CPUE	No.	CPUE	Pots	No.	CPUE	No.	CPUE	No.	CPUE
1	103	411[b]	0	0.0	2	<0.1	2	<0.1	412	14	<0.1	10	<0.1	24	0.1
2	58	232	63	0.3	52	0.2	115	0.5	232	276	1.2	639	2.8	915	3.9
3	9	36	1	<0.1	31	0.9	32	0.9	35[c]	23	0.7	1,438	41.1	1,461	41.7
Totals:	170	679	64	0.1	85	0.1	149	0.2	679	313	0.5	2,087	3.1	2,400	3.5

[a] 2004 survey data from Watson (2005) and the 'StMatt04' database, December 28, 2007.

[b] Includes one 3-pot station in 2004.

[c] Includes one 3-pot station in 2007.

Table 9.–Snow crab catch and catch per unit effort (CPUE; catch per pot lift) by sex and size category from the 2007 St. Matthew Island survey.

Sex/Size Category	Total Catch Number	Total Catch Percent	CPUE
Legal Males			
79- to 101-mm CW	11,749	55.7	16.4
≥ 102-mm CW	4,109	19.5	5.7
Total:	15,858	75.2	22.2
Sublegal Males			
Total:	4,460	21.2	6.2
Females			
Mature	467	2.2	0.7
Immature	291	1.4	0.4
Total:	758	3.6	1.1
Grand Total:	21,076	100	29.5

Table 10.–Male and female snow crab catch and catch per unit effort (CPUE; catch per pot lift) by stratum from the 2007 St. Matthew Island survey.

Stratum	Stations	Pots	Legal Males Number	Legal Males Percent	Legal Males CPUE	Sublegal Males Number	Sublegal Males Percent	Sublegal Males CPUE	Females Number	Females Percent	Females CPUE
1	115	460	13,262	83.6	115.3	3,527	79.1	30.7	613	80.9	1.3
2	55	220	2,596	16.4	11.8	933	20.9	4.2	145	19.1	0.7
3	9	35	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
All Strata	179	715	15,858	100	22.2	4,460	100	6.2	758	100	1.1

Table 11.–Shell condition of snow crabs from the five triennial St. Matthew Island pot surveys, 1995 – 2007; data presented is from all stations fished in each survey year.

Sex/Size Category	Shell Condition	1995[a]		1998[b]		2001[c]		2004[d]		2007	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Legal Males	New-Pliable	0	0.0	50	0.2	16	<0.1	0	0.0	0	0.0
	New	8,853	87.3	21,232	76.3	12,812	66.2	658	39.6	7,591	47.9
	Old	1,133	11.2	5,353	19.2	5,265	27.2	786	47.3	5,793	36.5
	Very Old	157	1.5	1,178	4.2	1,272	6.6	217	13.1	2,014	12.7
	Very, Very Old	0	0.0	0	0.0	0	0.0	0	0.0	458	2.9
	Not Recorded	0	0.0	0	0.0	0	0.0	0	0.0	2	0.0
	Total:	10,143	100	27,813	100	19,365	100	1,661	100	15,858	100
Sublegal Males	New-Pliable	0	0.0	1	<0.1	1	<0.1	0	0.0	5[e]	0.1
	New	3,596	78.8	4,076	62.6	14,555	85.6	474	69.8	2,060	46.2
	Old	790	17.3	1,754	27	2,144	12.6	165	24.3	1,874	42.0
	Very Old	175	3.8	676	10.4	306	1.8	40	5.9	481	10.8
	Not Recorded	1	<0.1	0	0.0	0	0.0	0	0.0	40	0.9
	Total:	4,562	100	6,507	100	17,006	100	679	100	4,460	100
Females	New-Pliable	0	0.0	7	0.4	13	0.2	0	0.0	0	0.0
	New	10	62.5	1,490	91.7	8,553	99.3	177	96.2	655	86.4
	Old	6	37.5	120	7.4	36	0.4	5	2.7	42	5.5
	Very Old	0	0.0	7	0.4	8	0.1	2	1.1	53	7.0
	Very, Very Old	0	0.0	0	0.0	0	0.0	0	0.0	8	1.1
	Total:	16	100	1,624	100	8,610	100	184	100	758	100

[a] 1995 survey data from Blau (1996) and the 'StMatt95' database, December 28, 2007.
[b] 1998 survey data from Blau and Watson (1999a) and the 'StMatt98' database, December 28, 2007.
[c] 2001 survey data from Watson and Burt (2002) and the 'StMatt01' database, December 28, 2007.
[d] 2004 survey data from Watson (2005) and the 'StMatt04' database, December 28, 2007.
[e] Includes three sublegal males in premolt condition,

Table 12.–Clutch and egg characteristics for ovigerous female snow crabs from the five triennial St. Matthew Island pots surveys, 1995 – 2007; data presented is from all stations fished in each survey year.

	1995[a]		1998[b]		2001[c]			2004[d]		2007	
Characteristic	Number	Percent	Number	Percent	Number	Percent	Characteristic	Number	Percent	Number	Percent
Clutch Fullness							**Clutch Fullness**				
1-29% full	0	0.0	51	6.7	674	15.0	Trace to 1/8 full	0	0.0	7	1.6
30-59% full	3	37.5	269	35.3	1,915	42.7	1/4 full	0	0.0	37	8.2
60-89% full	0	0.0	333	43.6	1,743	38.9	1/2 full	5	3.0	257	57.0
90-100% full	5	62.5	106	13.9	150	3.3	3/4 full	145	87.9	143	31.7
Not Recorded	0	1	4	0.5	0	0.0	100% full	15	9.1	7	1.6
Total:	8	100	763	100	4,482	100	Total:	165	100	451	100
Egg Development							**Egg Development**				
Uneyed	8	100.0	758	99.3	4,478	99.9	Uneyed	165	100.0	451	100.0
Eyed	0	0.0	0	0.0	1	<0.1	Eyed	0	0.0	0	0.0
Hatching	0	0.0	5	0.7	3	0.1	Hatching	0	0.0	0	0.0
Not Recorded	0	0.0	0	0.0	0	0.0	Not Recorded	0	0.0	0	0.0
Total:	8	100	763	100	4,482	100	Total:	165	100	451	100
Egg Color							**Egg Color**				
Tan	0	0.0	2	0.3	0	0.0	Tan	0	0.0	0	0.0
Yellow	0	0.0	0	0.0	0	0.0	Yellow	0	0.0	2	0.4
Orange	8	100.0	752	98.6	4,478	99.9	Orange	164	99.4	447	99.1
Brown	0	0.0	5	0.7	3	0.1	Brown	0	0.0	1	0.2
Purple	0	0.0	0	0.0	0	0.0	Purple	0	0.0	1	0.2
Purple-brown	0	0.0	4	0.5	0	0.0	Purple-brown	1	0.6	0	0.0
Not Recorded	0	0.0	0	0.0	1	<0.1	Not Recorded	0	0.0	0	0.0
Total:	8	100	763	100	4,482	100	Total:	165	100	451	100
Dead Eggs							**Dead Eggs**				
Not Apparent	8	100.0	749	98.2	4,482	100	Not Apparent	165	100.0	451	100.0
Less than 20%	0	0.0	14	1.8	0	0.0	Less than 20%	0	0.0	0	0.0
Greater than 20%	0	0.0	0	0.0	0	0.0	Greater than 20%	0	0.0	0	0.0
Not Recorded	0	0.0	0	0.0	0	0.0	Not Recorded	0	0.0	0	0.0
Total:	8	100	763	100	4,482	100	Total:	165	100	451	100

[a] 1995 survey data from Blau (1996) and the 'StMatt95' database, December 28, 2007.

[b] 1998 survey data from Blau and Watson (1999a) and the 'StMatt98' database, December 28, 2007.

[c] 2001 survey data from Watson and Burt (2002) and the 'StMatt01' database, December 28, 2007.

[d] 2004 survey data from Watson (2005) and the 'StMatt04' database, December 28, 2007.

Table 13.–Snow crab catches from the five triennial St. Matthew Island pot surveys, 1995 – 2007; data is from all stations fished in each survey year.

	Survey Year					
	1995[a]	1998[b]	2001[c]	2004[d]	2007	All Surveys
Legal Males	10,143	27,813	19,365	1,667	15,858	74,846
Sublegal Males	4,562	6,507	17,193	685	4,460	33,407
Females	16	1,624	8,635	2,177	758	13,210
Total:	14,721	35,944	45,193	4,529	21,076	121,463

[a] 1995 survey data from Blau (1996) and the 'StMatt95' database, December 28, 2007.

[b] 1998 survey data from Blau and Watson (1999a) and the 'StMatt98' database, December 28, 2007.

[c] 2001 survey data from Watson and Burt (2002) and the 'StMatt01' database, December 28, 2007.

[d] 2004 survey data from Watson (2005) and the 'StMatt04' database, December 28, 2007.

Table 14.–Male and female snow crab catch and catch per unit effort (CPUE; catch per pot lift) by stratum from the five triennial St. Matthew Island pot surveys, 1995 – 2007; data presented is from the 96 stations fished in common in all survey years.

	Legal Males		Sublegal Males		Females	
Strata/Survey Year	Number	Ave. CPUE	Number	Ave. CPUE	Number	Ave. CPUE
Stratum 1 (65 stations, 260 pots)						
1995[a]	7,887	30.3	3,582	13.8	5	<0.1
1998[b]	23,591	90.7	2,928	11.3	192	0.7
2001[c]	11,805	45.4	11,494	44.2	4,287	16.5
2004[d]	590	2.3	96	0.4	5	<0.1
2007	8,024	30.9	1,882	7.2	443	1.7
Stratum 2 (31 stations, 124 pots)						
1995[a]	1	<0.1	0	0.0	0	0.0
1998[b]	1,061	8.6	276	8.9	36	1.2
2001[c]	270	2.2	495	16.0	260	8.4
2004[d]	13	0.1	4	0.1	0	0.0
2007	1,432	11.5	539	17.4	72	2.3
All Strata (96 stations, 384 pots)						
1995[a]	7,888	20.5	3,582	9.3	5	<0.1
1998[b]	24,652	64.2	3,204	8.3	228	0.6
2001[c]	12,075	31.4	11,988	31.2	4,547	11.8
2004[d]	603	1.6	100	0.3	5	<0.1
2007	9,456	24.6	2,421	6.3	515	1.3

[a] 1995 survey data from Blau (1996) and the 'StMatt95' database, December 28, 2007.
[b] 1998 survey data from Blau and Watson (1999a) and the 'StMatt98' database, December 28, 2007.
[c] 2001 survey data from Watson and Burt (2002) and the 'StMatt01' database, December 28, 2007.
[d] 2004 survey data from Watson (2005) and the 'StMatt04' database, December 28, 2007.

Table 15.–Catch composition of survey pots from the 2007 St. Matthew Island blue king crab survey.

NMFS Code	Common Name	Scientific Name	Number
471	Alaska skate	*Bathyraja parmifera*	240
10115	Greenland turbot	*Reinhardtius hippoglossoides*	4
10120	Pacific halibut	*Hippoglossus stenolepis*	150
10210	Yellowfin sole	*Limanda aspera*	54
10261	Northern rock sole	*Lepidopsetta polyxtra*	31
20322	Bering wolffish	*Anarrhichthys ocellatus*	1
21300	Sculpin unidentified	*Cottidae*	1
21368	Warty sculpin	*Myoxocephalus verrucosus*	4
21370	Great sculpin	*Myoxocephalus polyacanthocephalus*	185
21720	Pacific cod	*Gadus macrocephalus*	1,399
21740	Walleye pollock	*Theragra chalcogramma*	225
22200	Snailfish unidentified	*Liparidinae*	3
22236	Salmon snailfish	*Careproctus rastrinus*	21
40500	Jellyfish unidentified	*Scyphozoa*	2
40501	Chrysaora jellyfish	*Chrysaora sp.*	13
40504	Chrysaora jellyfish	*Chrysaora melanaster*	6
43000	Sea anemone unidentified	*Actiniaria*	5
50001	Worm unidentified	*Polychaeta*	1
68560	Tanner crab	*Chionoecetes bairdi*	15
68577	Circumboreal toad crab	*Hyas coarctatus*	2,692
68578	Pacific lyre crab	*Hyas lyratus*	15
68580	Snow crab	*Chionoecetes opilio*	21,076
68590	Hybrid Tanner crab		18
69010	Hermit crab unidentified	*Paguridae*	19
69060	Aleutian hermit crab	*Pagurus aleuticus*	18
69061	Splendid hermit crab	*Labidochirus splendescens*	1
69070	Knobbyhand hermit crab	*Pagurus confragosus*	1
69086	Fuzzy hermit crab	*Pagurus trigonocheirus*	310
69090	Alaskan hermit crab	*Pagurus ochotensis*	3
69095	Longfinger hermit crab	*Pagurus rathbuni*	19
69120	Hairy hermit crab	*Pagurus capillatus*	1
69322	Red king crab	*Paralithodes camtschaticus*	1
69323	Blue king crab	*Paralithodes platypus*	8,455
69400	Hair crab	*Erimacrus isenbeckii*	8
71500	Snail unidentified	*Gastropoda*	6
71772	'Bering' beringius	*Beringius beringii*	3
71820	Pribilof whelk	*Neptunea pribiloffensis*	223
71835	'Boreal' neptune	*Neptunea borealis*	1
71882	Fat whelk	*Neptunea ventricosa*	19
71884	Northern neptune	*Neptunea heros*	9
71886	Helmet whelk	*Neptunea magna*	6
71891	'Kroyer's' plicifusus	*Plicifusus kroyeri*	1
72743	Angular whelk	*Buccinum angulosum*	31
72751	Sinuous whelk	*Buccinum plectrum*	6
72752	Ladder whelk	*Buccinum scalariforme*	378
72755	Polar whelk	*Buccinum polare*	12

-continued-

Table 15.–Page 2 of 2.

NMFS Code	Common Name	Scientific Name	Number
74641	Boreal astarte (clam)	*Astarte borealis*	2
74983	Hairy cockle	*Clinocardium ciliatum*	2
75286	Greenland cockle	*Serripes groenlandicus*	1
78403	Giant octopus	*Octopus dofleini*	1
80000	Sea star unidentified	*Asteroidea*	1
80590	Knobby six-ray sea star	*Leptasterias polaris*	43
80594	Arctic sea star	*Leptasterias arctica*	5
81095	Rose sea star	*Crossaster papposus*	41
81780	Common mud star	*Ctenodiscus crispatus*	6
83020	Basketstar	*Gorgonocephalus eucnemis*	10
83320	Notched brittlestar	*Ophiura sarsi*	641
91000	Sponge unidentified	*Porifera*	4

Table 16.–Ocean bottom temperatures at 104 stations fished during the 2007 St. Matthew Island blue king crab survey.

		Depth		Temperature °C		
Station	Dates	Fathoms	Meters	Average	Minimum	Maximum
2	08/11-08/13	45	82	-0.6	-0.7	-0.1
3	08/11-08/13	39	71	0.3	0.0	0.8
5	08/08-08/10	33	60	2.5	2.2	2.9
6	08/11-08/13	48	89	0.0	-0.2	0.3
8	08/11-08/13	41	75	0.7	0.1	1.5
11	08/03-08/05	31	56	2.3	2.0	2.6
12	08/08-08/10	36	66	1.7	1.4	2.1
13	08/07-08/09	36	66	2.8	2.3	3.4
14[a]	08/07-08/09	32	58	3.6	3.2	4.2
15	08/11-08/13	53	96	-0.1	-0.2	0.4
17	08/12-08/14	41	74	-0.6	-0.7	0.4
18	08/06-08/08	39	72	0.5	-0.2	1.1
26	08/07-08/09	35	64	2.0	0.9	3.7
30	08/06-08/08	41	76	-0.6	-0.8	-0.1
33	08/07-08/09	36	66	2.2	1.5	3.6
35	08/02-08/04	34	63	3.1	2.3	3.7
36	08/01-08/03	34	63	1.9	0.9	2.8
37	08/01-08/03	35	64	1.1	-0.3	1.6
38	08/06-08/08	41	75	-0.6	-0.7	-0.5
40	08/05-08/07	37	68	0.4	0.1	1.1
41	08/04-08/06	34	61	2.0	1.3	2.9
46	08/12-08/14	46	84	-0.2	-0.6	0.0
49	08/05-08/07	40	73	0.1	-0.3	0.6
50	08/04-08/06	37	67	0.6	0.2	1.4
51	08/04-08/06	36	66	1.9	1.5	2.5
52	08/04-08/06	35	65	1.7	1.2	2.3
53	07/31-08/02	37	67	0.2	-0.3	0.8
55	07/31-08/02	37	67	-0.4	-0.6	-0.2
57	08/05-08/07	41	75	-0.2	-0.5	0.1
58	08/05-08/07	42	76	0.0	-0.2	0.5
62	08/13-08/15	58	105	0.4	0.3	0.4
63	08/12-08/14	54	98	0.3	0.3	0.4
64	08/12-08/14	49	90	-0.3	-0.5	-0.2
65	08/06-08/08	44	80	-0.7	-0.7	-0.3
66	08/05-08/07	45	83	-0.5	-0.7	-0.1
67	08/05-08/07	43	79	-0.4	-0.6	0.1
70	07/31-08/02	41	75	-0.4	-0.8	0.0
71	07/31-08/02	39	71	-0.7	-0.9	-0.3
73	07/31-08/02	39	71	-0.4	-0.8	-0.1
74	08/13-08/15	57	105	0.6	0.4	0.8
75	08/13-08/15	57	105	0.4	0.2	0.5
76	07/28-07/30	54	98	0.0	-0.1	0.1
77	07/28-07/30	50	91	-0.2	-0.4	-0.1
78	07/29-07/31	46	84	-0.6	-0.6	-0.5
80	07/29-07/31	42	77	-0.7	-0.9	-0.5
82	07/30-08/01	42	76	-0.9	-0.9	-0.7
85	07/30-08/01	42	78	-1.0	-1.2	-0.7
89	07/28-07/30	53	97	0.0	-0.3	0.3
90	07/29-07/31	48	88	-0.4	-0.7	-0.2
92	07/29-07/31	45	82	-0.6	-0.8	-0.5
93	07/29-07/31	47	86	-0.6	-0.8	-0.5

-continued-

Table 16.–Page 2 of 2.

Station	Dates	Depth		Temperature °C		
		Fathoms	Meters	Average	Minimum	Maximum
94	07/30-08/01	47	86	-0.8	-0.9	-0.1
95	07/30-08/01	47	85	-0.8	-0.8	-0.6
97	07/30-08/01	44	80	-1.1	-1.2	-1.0
98	08/13-08/15	62	114	0.9	0.7	1.0
99	08/13-08/15	58	107	0.7	0.4	0.9
101	07/28-07/30	56	103	0.3	0.2	0.4
102	07/27-07/29	52	95	0.2	0.2	0.3
104	07/27-07/29	49	89	0.0	-0.3	0.1
106	07/26-07/28	49	89	-0.4	-0.6	-0.4
107	07/26-07/28	48	88	-0.5	-0.7	-0.3
109	07/26-07/28	46	84	-0.8	-0.9	-0.7
111	08/13-08/15	61	111	0.9	0.5	1.1
112	07/28-07/30	58	106	0.6	0.5	0.6
114	07/27-07/29	55	101	0.3	0.3	0.7
116	07/27-07/29	50	92	0.1	0.0	0.2
117	07/27-07/29	53	97	-0.1	-0.3	0.0
119	07/26-07/28	49	89	-0.2	-0.3	0.1
121	07/26-07/28	48	88	-0.7	-0.8	-0.4
122	08/14-08/18	61	111	1.3	1.2	1.4
126	08/15-08/17	59	107	0.9	0.7	0.9
128	08/15-08/17	54	99	-0.2	-0.2	-0.2
129	08/15-08/17	53	96	-0.2	-0.3	0.1
130	08/17-08/18	51	93	-0.3	-0.3	0.1
131	08/17-08/18	49	90	-0.4	-0.5	-0.3
134	08/14-08/18	63	115	1.3	1.3	1.4
135	08/14-08/18	62	113	1.2	1.2	1.3
136	08/14-08/18	60	110	1.1	1.1	1.3
138	08/15-08/17	58	105	0.9	0.7	0.9
139	08/15-08/17	58	106	0.5	0.2	0.6
140	08/15-08/17	57	105	0.4	0.3	0.5
142	08/17-08/18	54	99	-0.4	-0.4	-0.2
148	08/03-08/05	29	52	3.6	3.1	4.1
150	08/08-08/10	32	58	3.1	2.6	3.6
152	08/08-08/10	36	66	2.2	1.7	2.7
156	08/09-08/11	44	81	-1.1	-1.2	-0.9
158	08/09-08/11	40	73	-0.7	-1.0	0.0
159	08/09-08/11	39	71	0.9	-0.6	2.7
167	08/10-08/12	41	74	-0.3	-0.8	-0.1
168	08/09-08/11	42	76	0.1	-0.4	1.0
169	08/09-08/11	39	72	0.7	-0.5	1.7
170	08/09-08/11	39	72	2.6	0.3	3.8
178	08/10-08/12	41	74	0.4	-0.3	1.2
186	08/11-08/13	49	89	-0.6	-0.8	-0.9
187	08/10-08/12	42	77	-0.6	-0.8	0.1
188	08/10-08/12	40	73	-0.2	-0.5	0.0
201	08/01-08/03	22	40	3.4	2.5	5.7
302	08/03-08/05	21	39	5.6	4.9	6.2
303	08/03-08/05	21	39	5.8	5.1	6.3
304	08/03-08/05	21	38	5.9	5.4	6.3
306	08/03-08/05	18	33	5.8	5.0	6.3
307	08/02-08/04	18	33	3.8	3.2	4.7
309	08/02-08/04	16	29	4.9	4.6	5.6
310	08/02-08/04	17	31	4.7	3.8	5.3
	Survey Average:	43	79	0.7	0.4	1.1

[a] Two temperature probes were placed in station 14 pots.

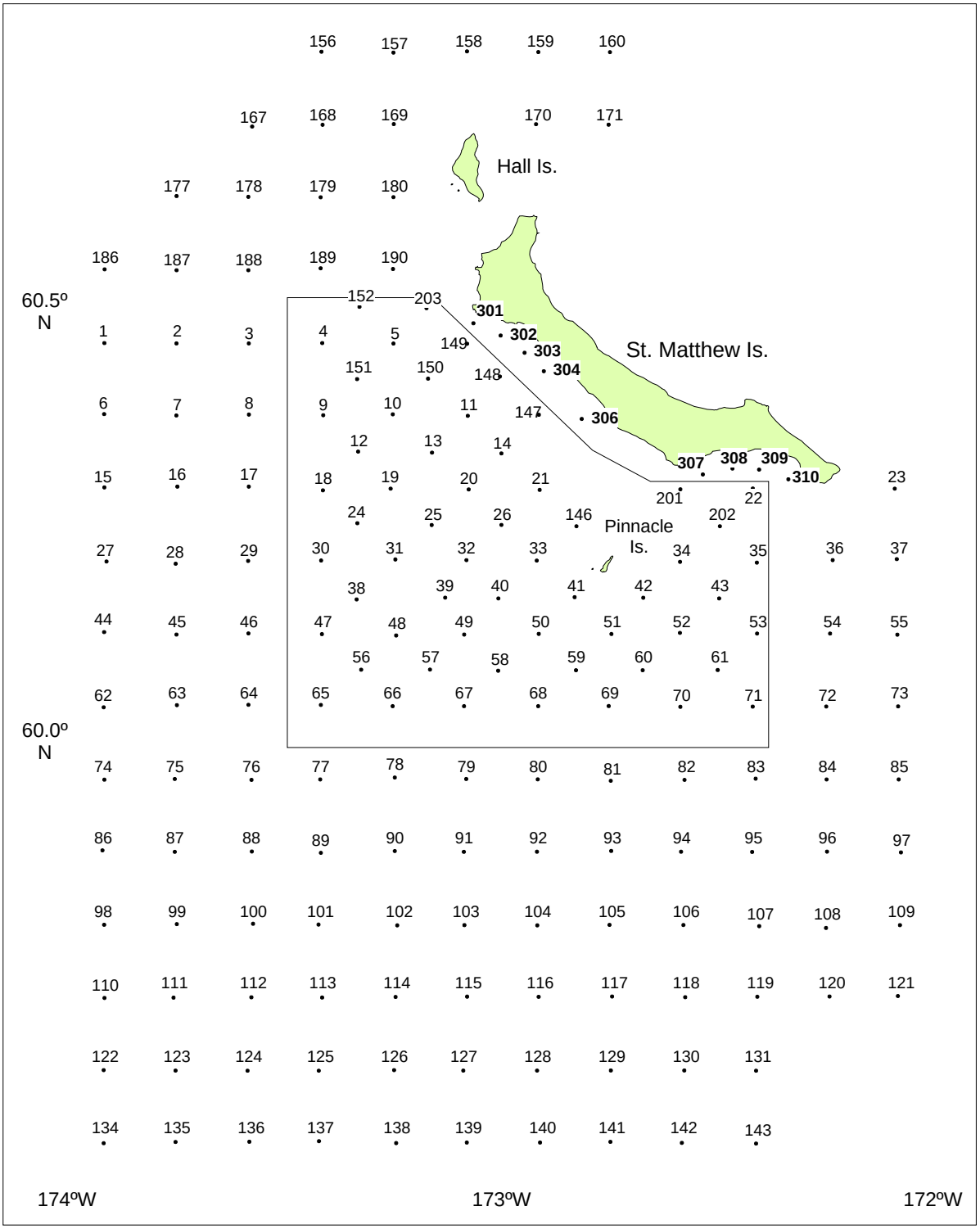


Figure 1.–Survey area and mid-point station locations for the 179 stations fished during the 2007 St. Matthew Island blue king crab survey; Stratum 1 stations are outside the polygon, Stratum 2 stations are within the polygon, and Stratum 3 stations are noted in bold.

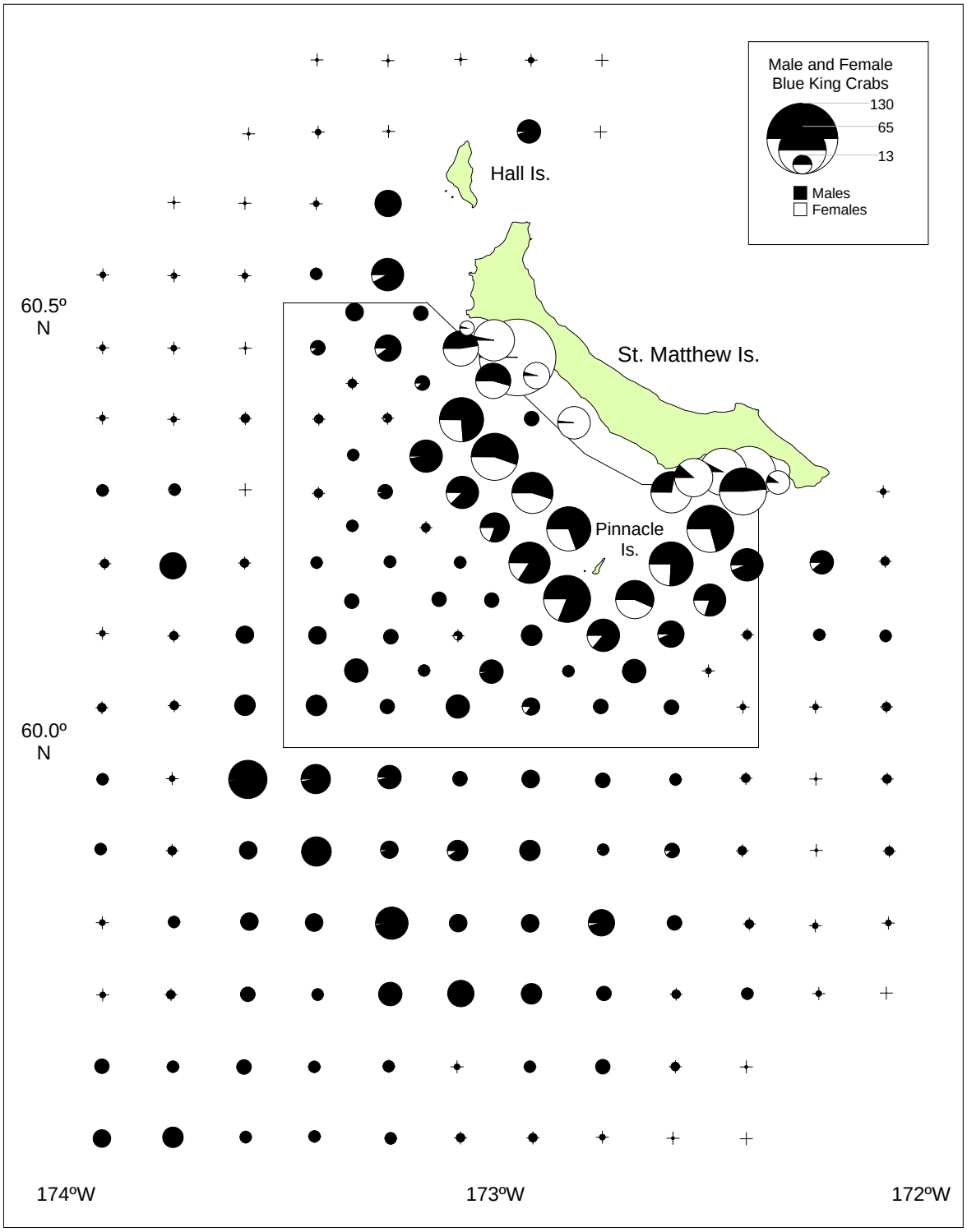


Figure 2.–Male and female blue king crab catch per unit effort (CPUE; catch per pot lift) by station in the 2007 St. Matthew Island survey.

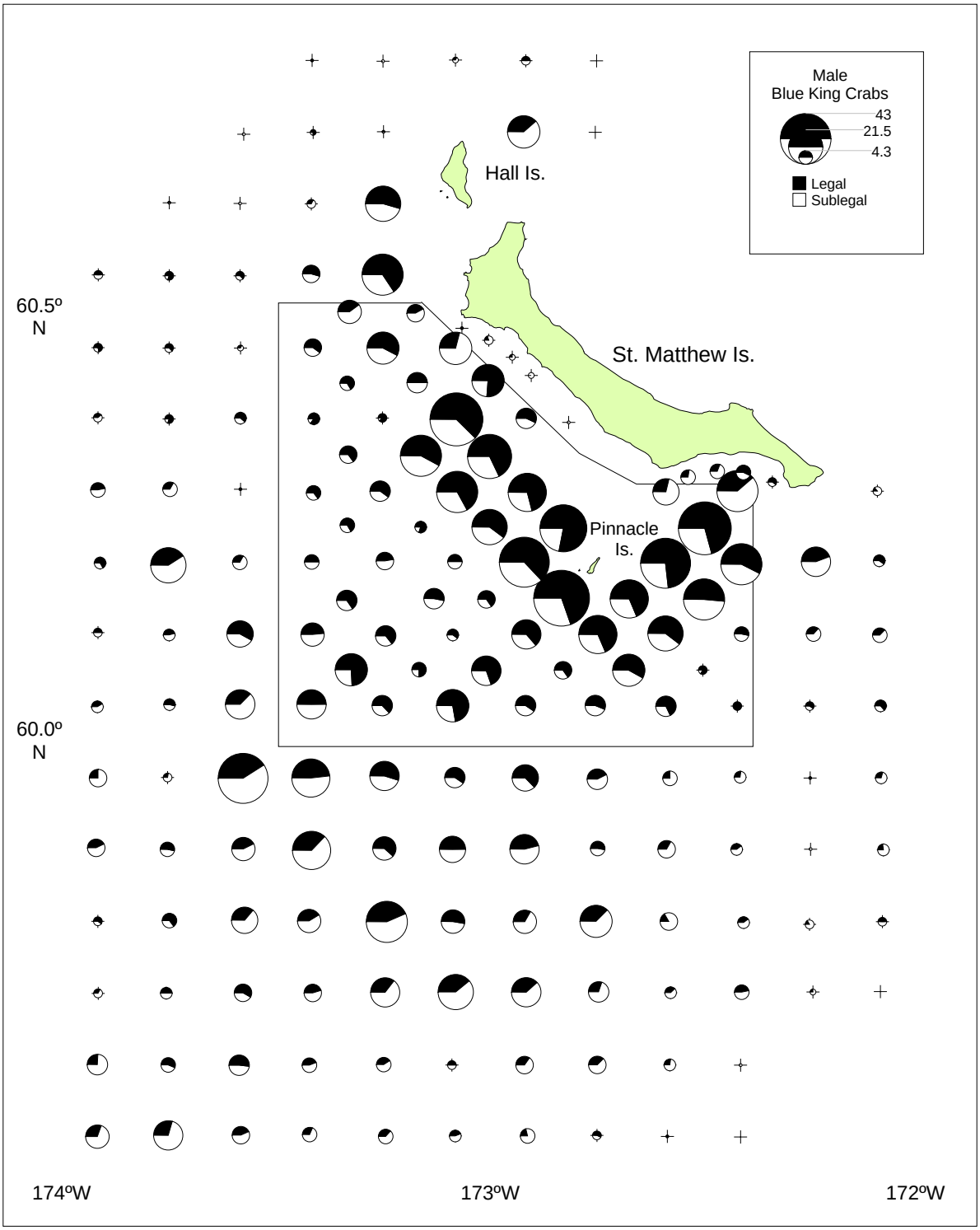


Figure 3.–Legal and sublegal male blue king crab catch per unit effort (CPUE; catch per pot lift) by station in the 2007 St. Matthew Island survey.

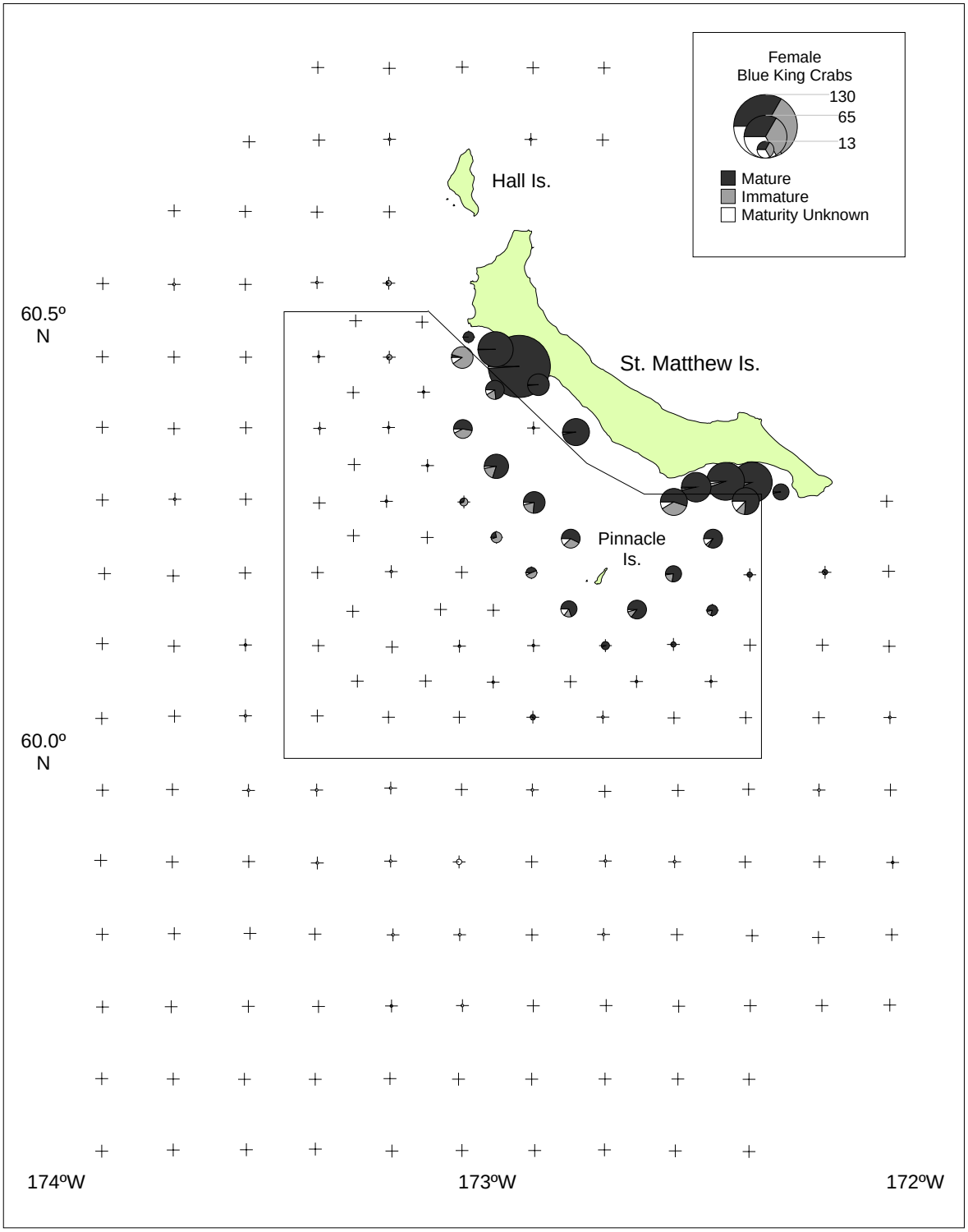


Figure 4.–Female blue king crab catch per unit effort (CPUE; catch per pot lift) by station in the 2007 St. Matthew Island survey.

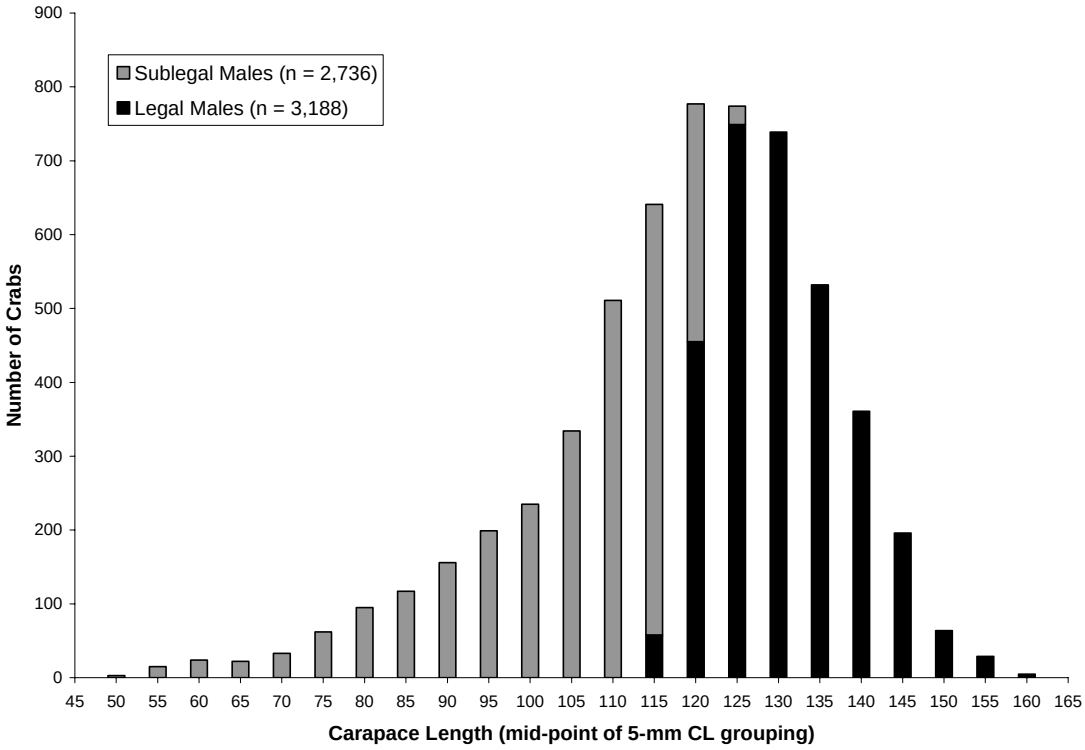


Figure 5.–Carapace length distributions of sublegal and legal male blue king crabs captured in the 2007 St. Matthew Island survey.

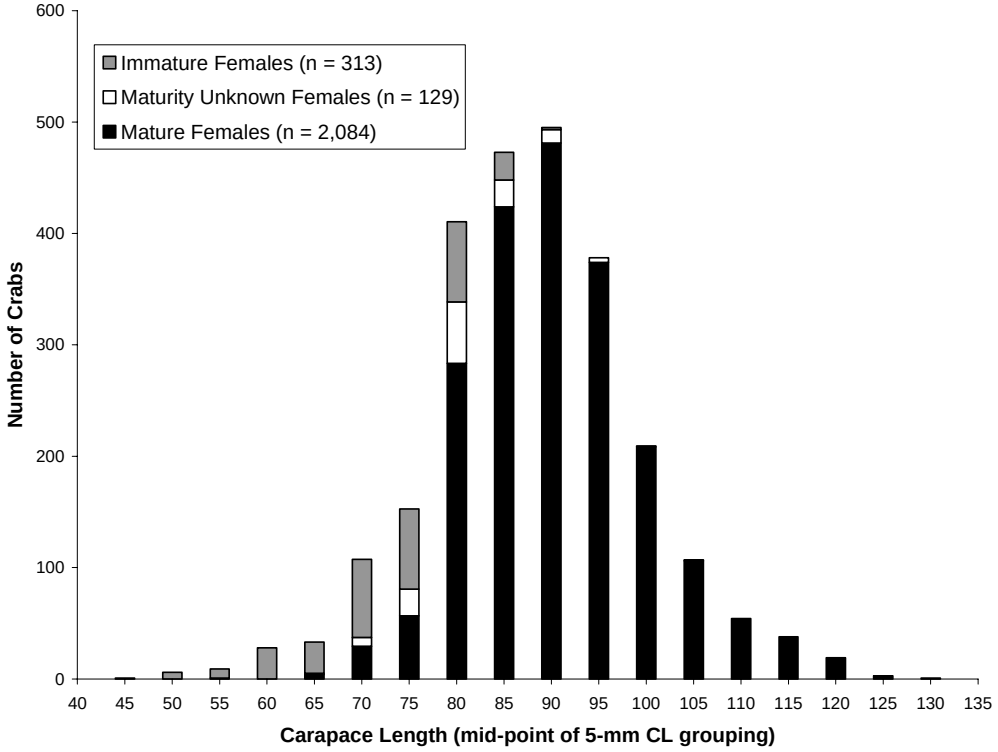


Figure 6.–Carapace length distributions of immature, mature and maturity-unknown female blue king crabs captured in the 2007 St. Matthew Island survey.

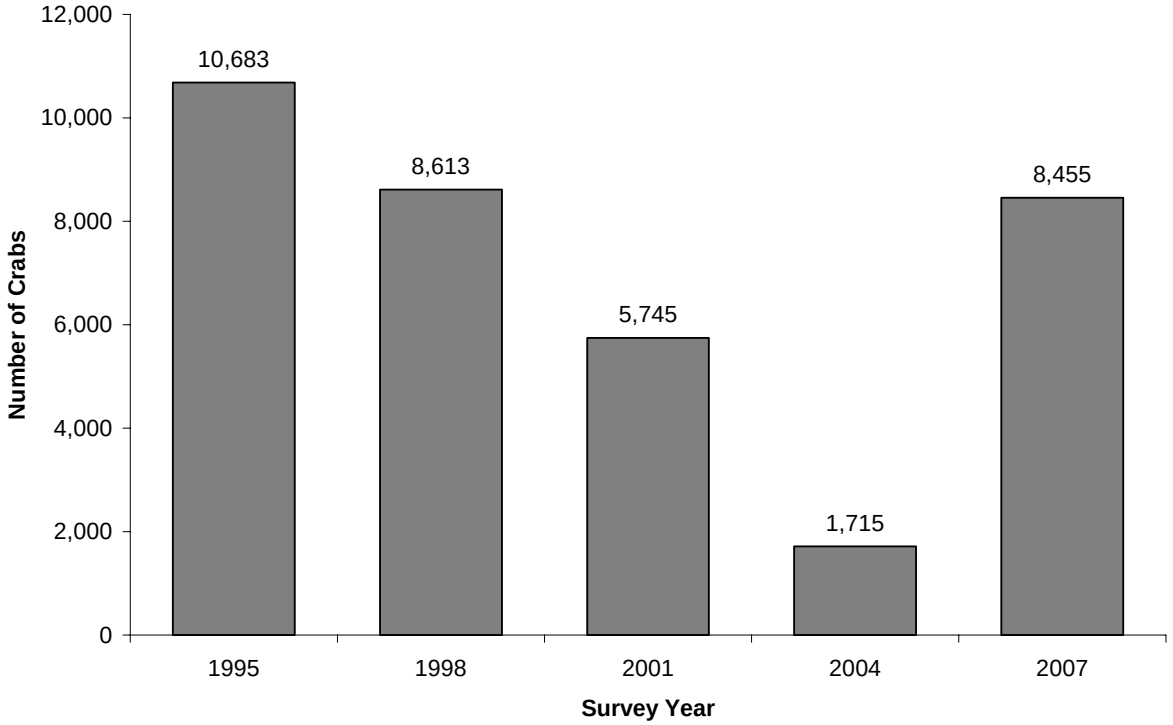


Figure 7.–Blue king crab catches from the five triennial St. Matthew Island pot surveys, 1995 – 2007; data is from all stations fished in each survey year.

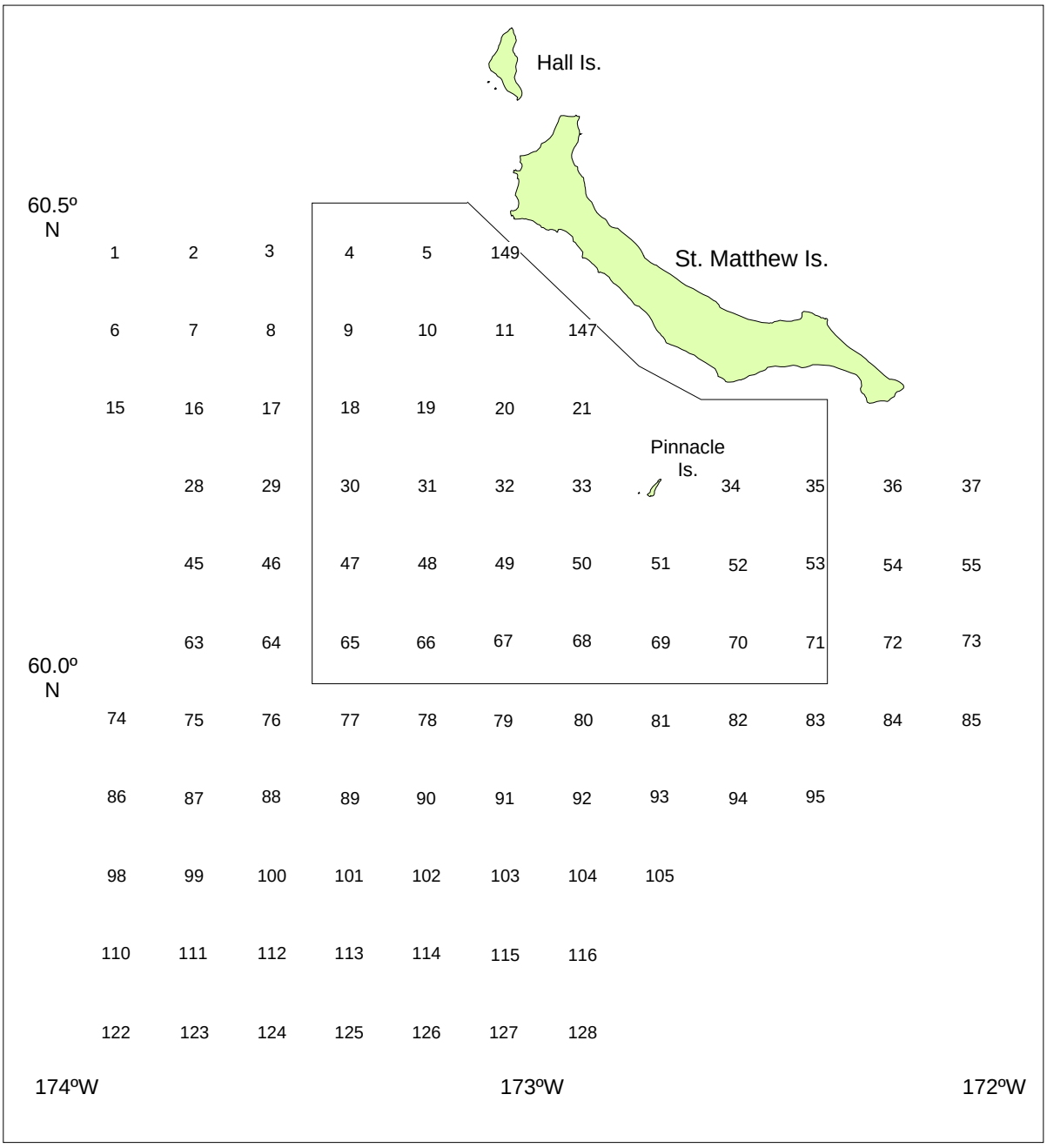


Figure 8.–Location of the 96 stations fished in common during the five triennial St. Matthew Island blue king crab surveys, 1995 - 2007.

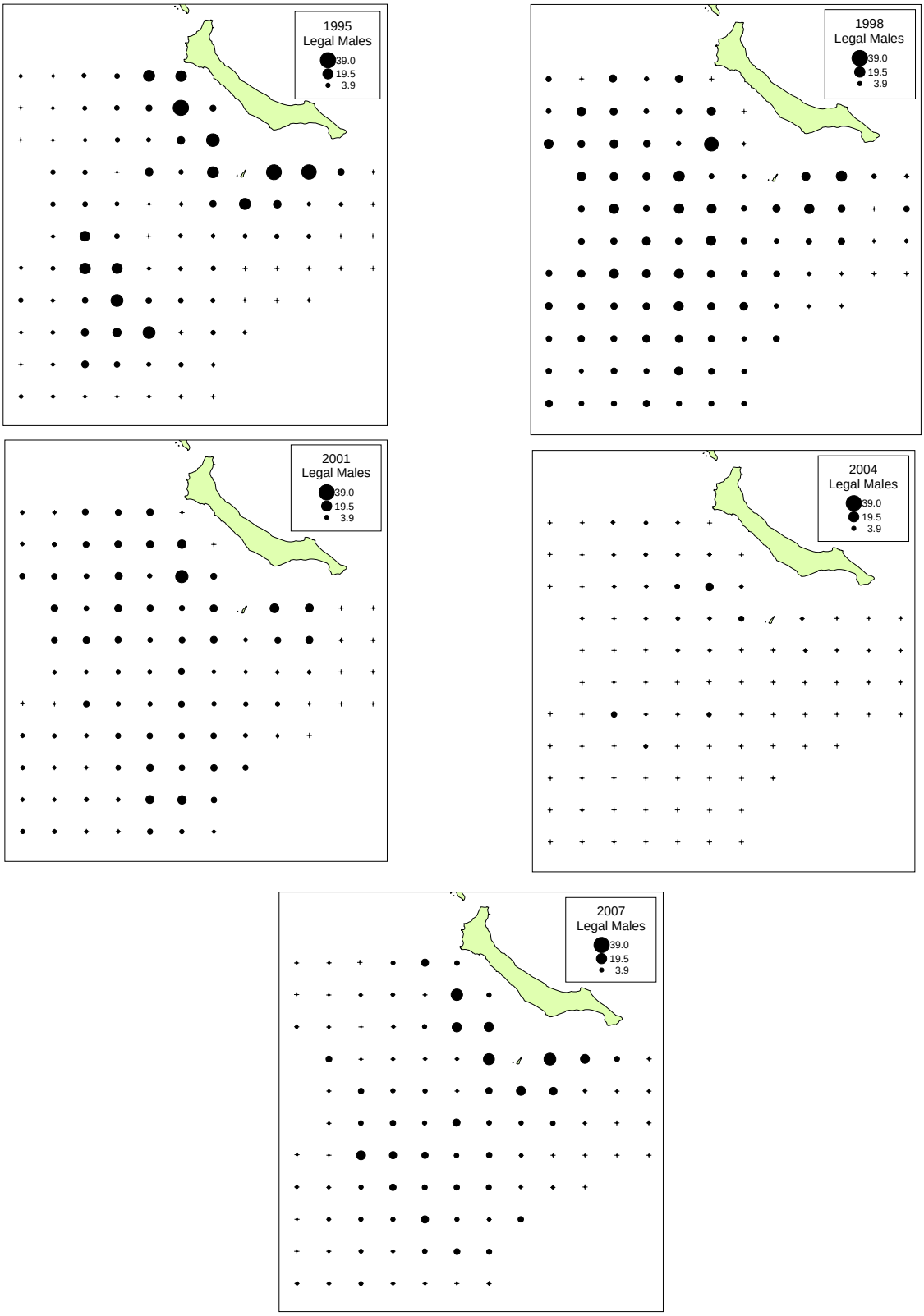


Figure 9.–Legal male blue king crab catch per unit effort (CPUE; catch per pot lift) at the 96 in-common stations fished during the five triennial St. Matthew Island surveys, 1995 – 2007.

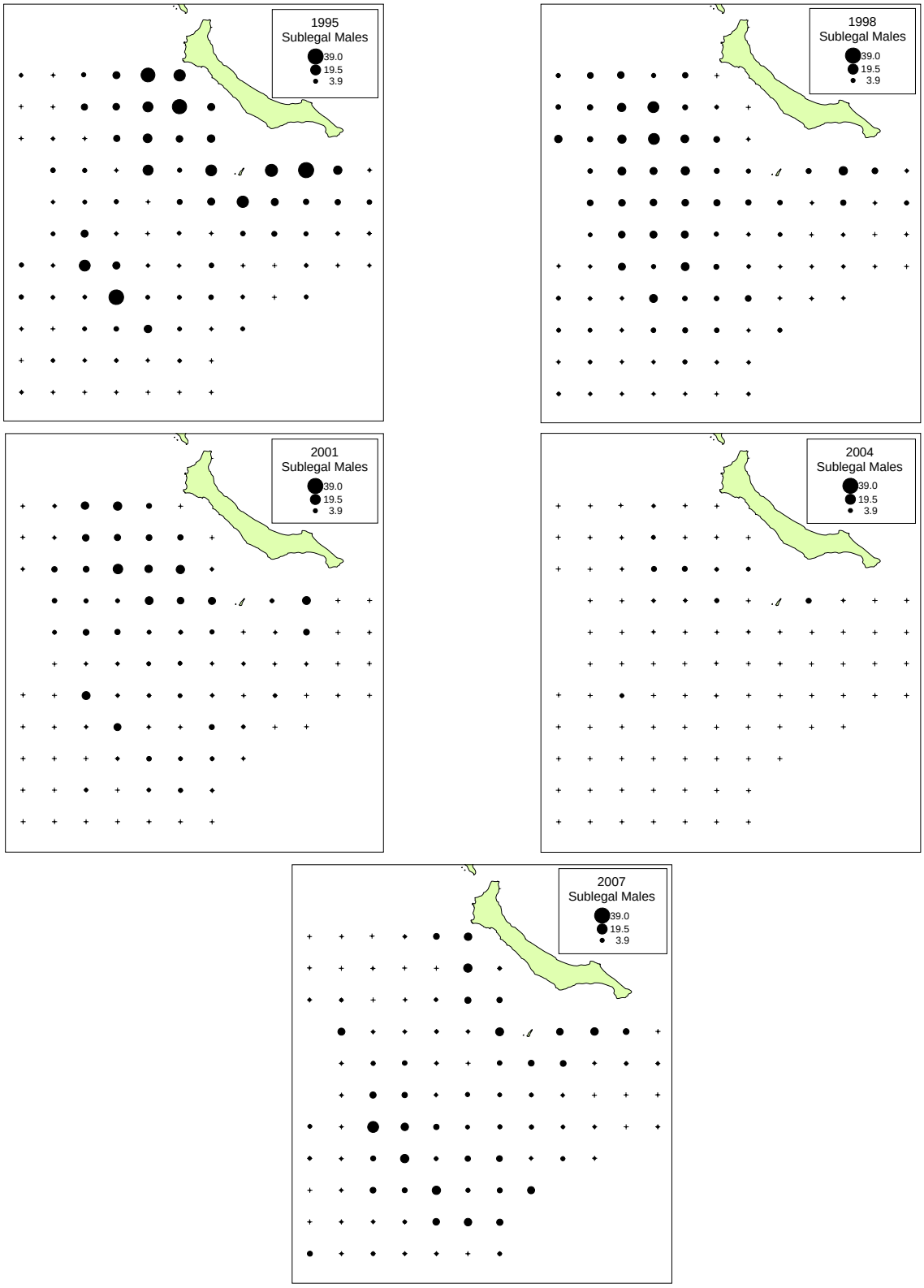


Figure 10.–Sublegal male blue king crab catch per unit effort (CPUE; catch per pot lift) at the 96 in-common stations fished during the five triennial St. Matthew Island surveys, 1995 – 2007.

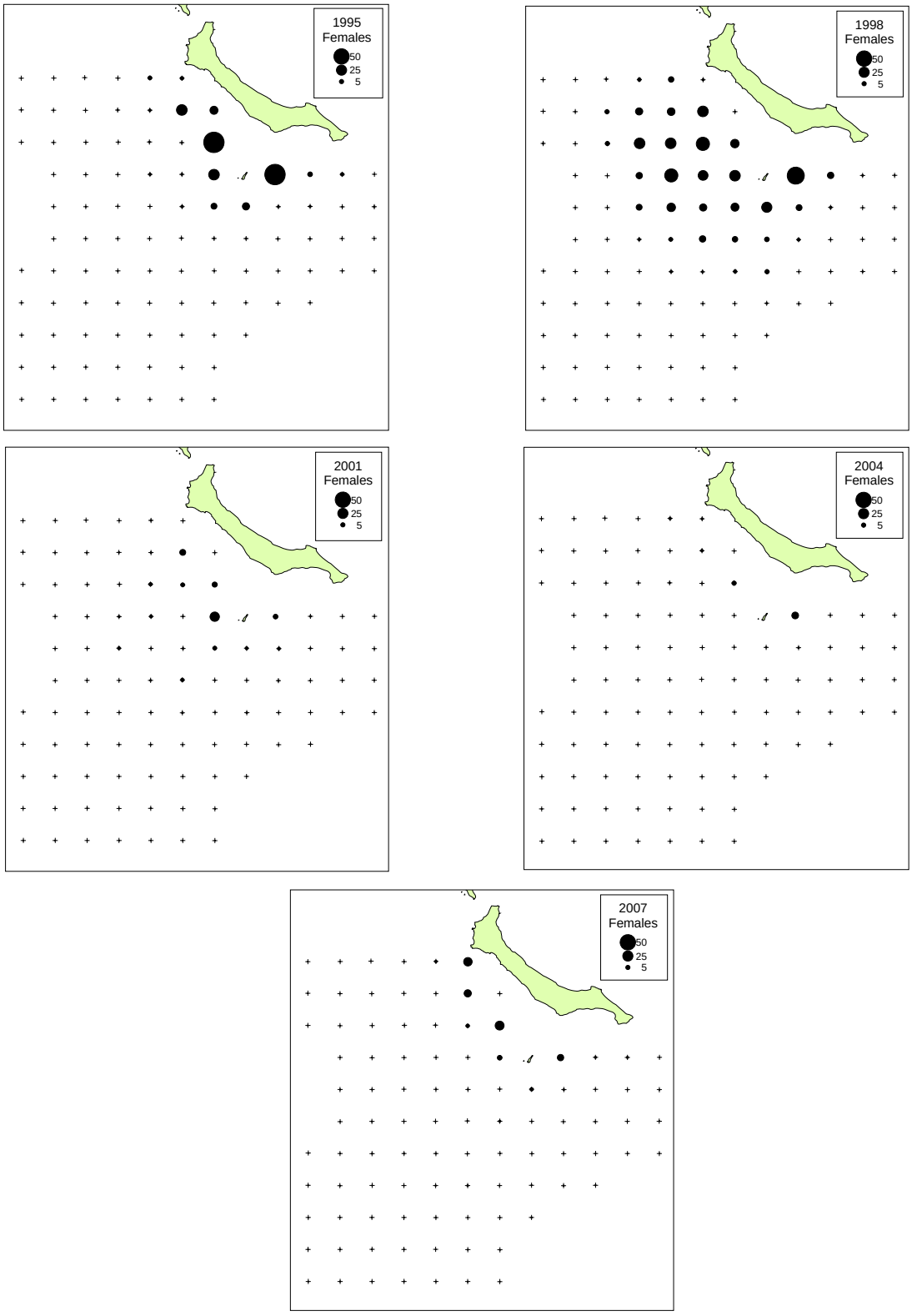


Figure 11.–Female blue king crab catch per unit effort (CPUE; catch per pot lift) at the 96 in-common stations fished during the five triennial St. Matthew Island surveys, 1995 – 2007.

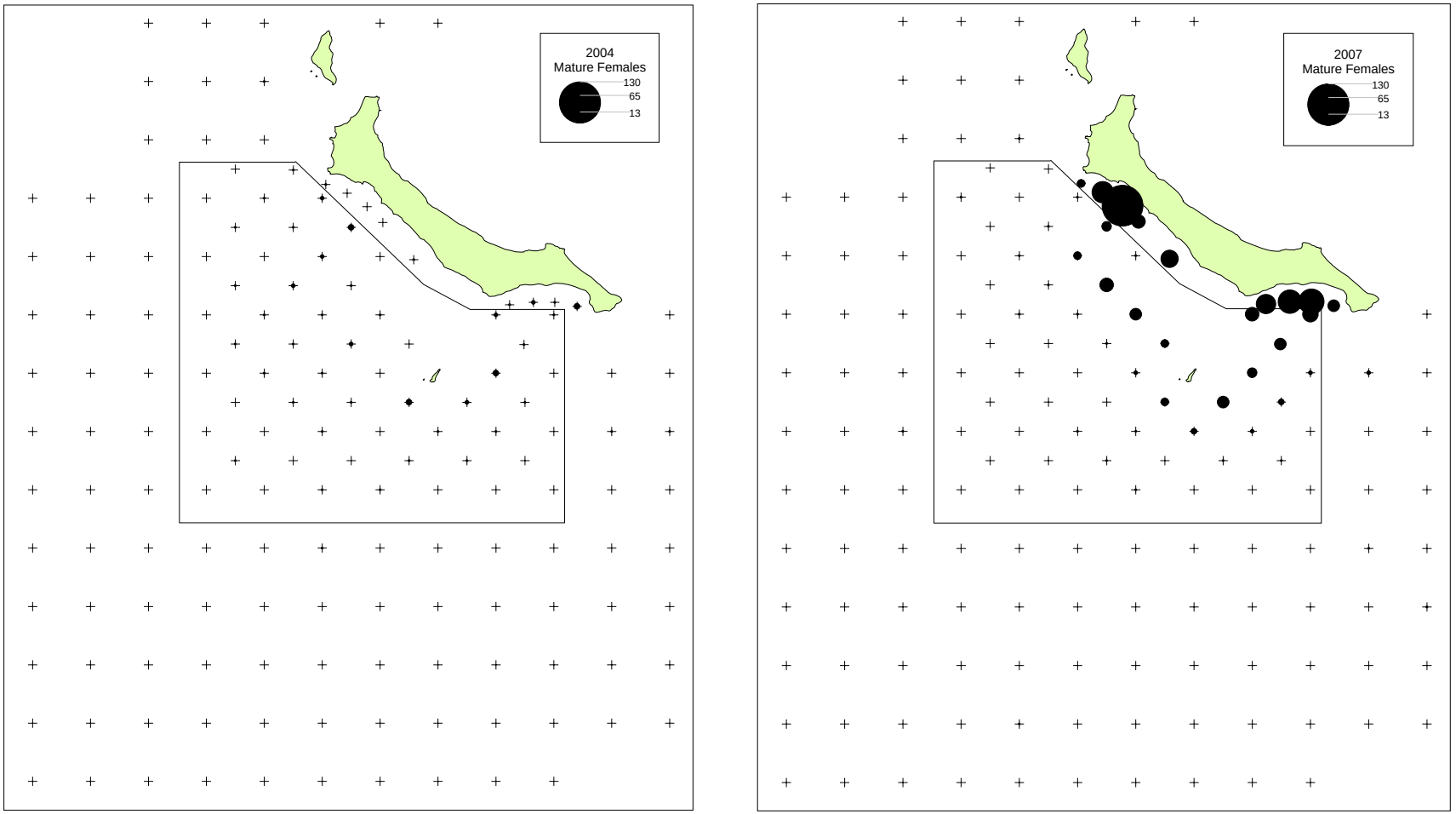
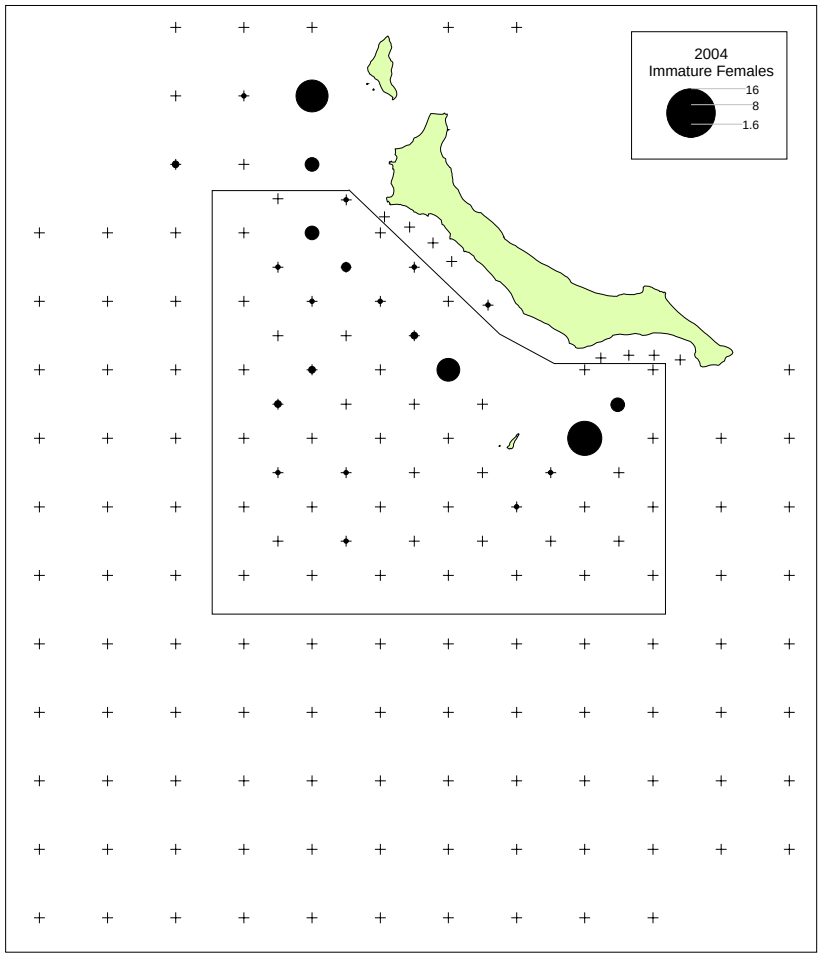


Figure 12.–Mature female blue king crab catch per unit effort (CPUE; catch per pot lift) at 170 stations fished in the 2004 and 2007 St. Matthew Island surveys.



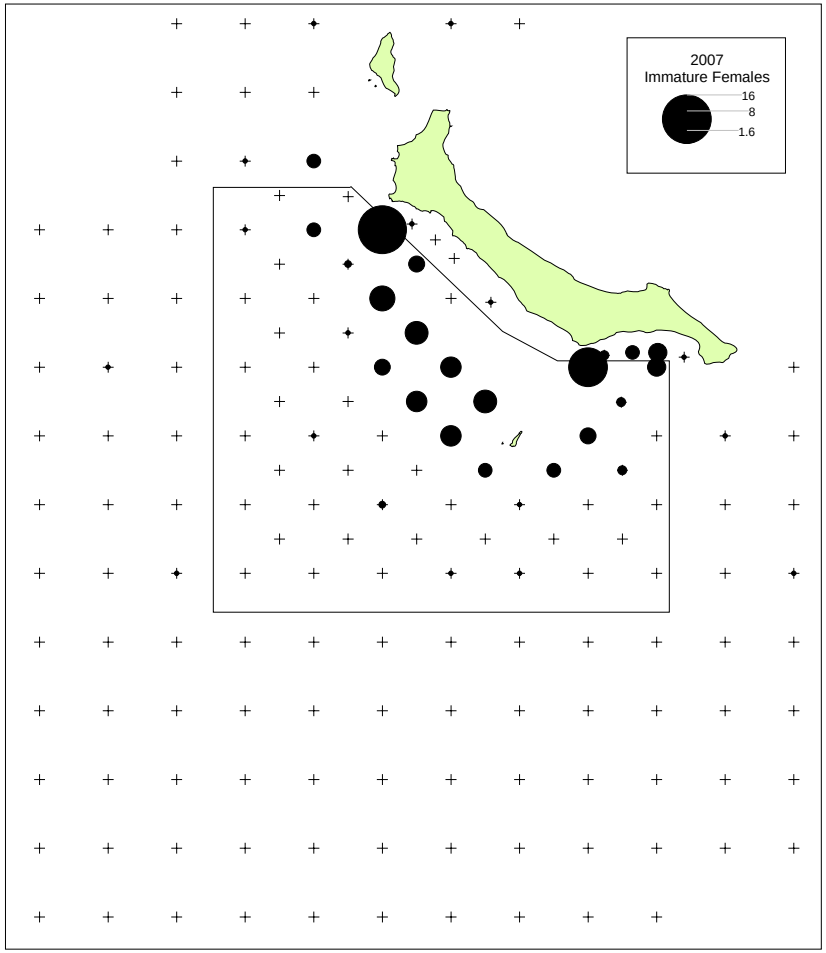


Figure 13.–Immature female blue king crab catch per unit effort (CPUE; catch per pot lift) at 170 stations fished in the 2004 and 2007 St. Matthew Island surveys.

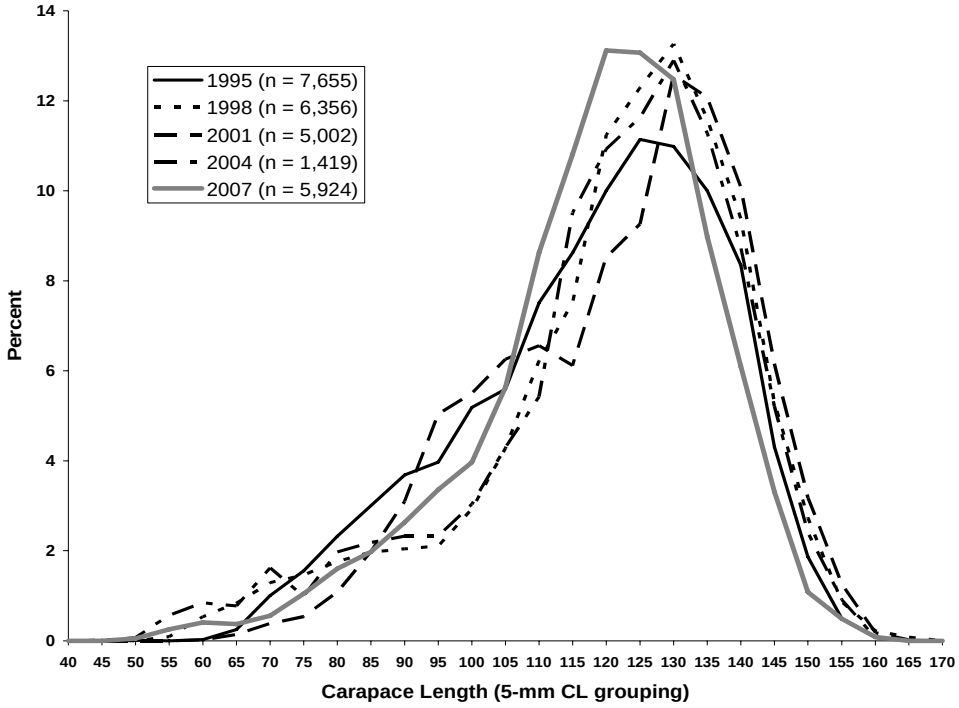


Figure 14.–Carapace length distributions of male blue king crabs captured in the five triennial St. Matthew Island surveys, 1995 – 2007; data is from all stations fished in each survey year.

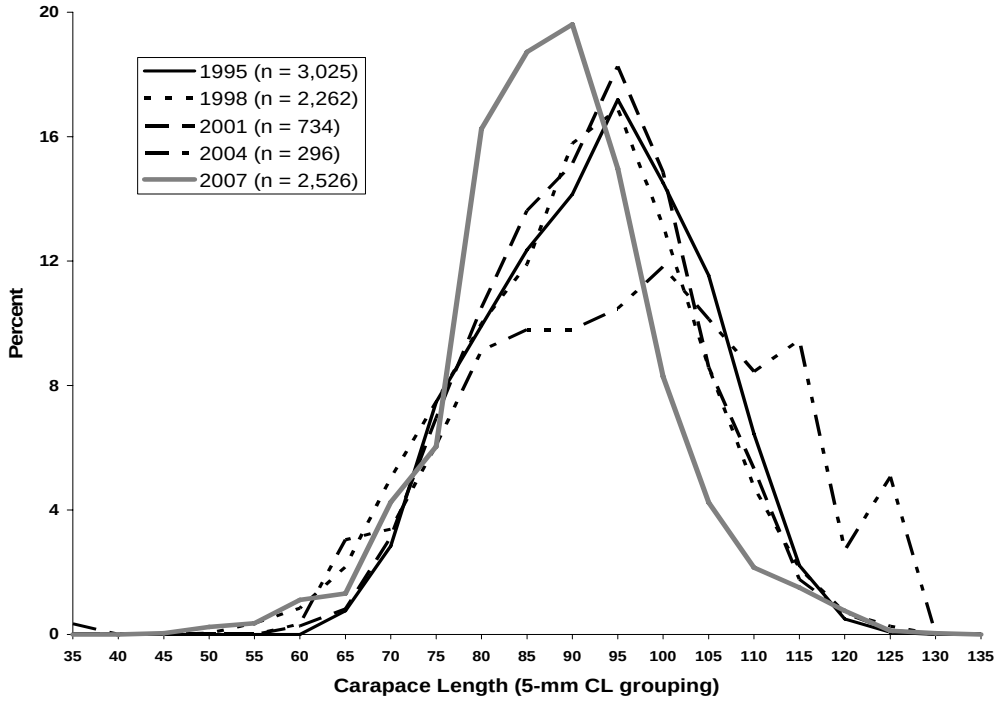


Figure 15.–Carapace length distributions of female blue king crabs captured in the five triennial St. Matthew Island surveys, 1995 – 2007; data is from all stations fished in each survey year.

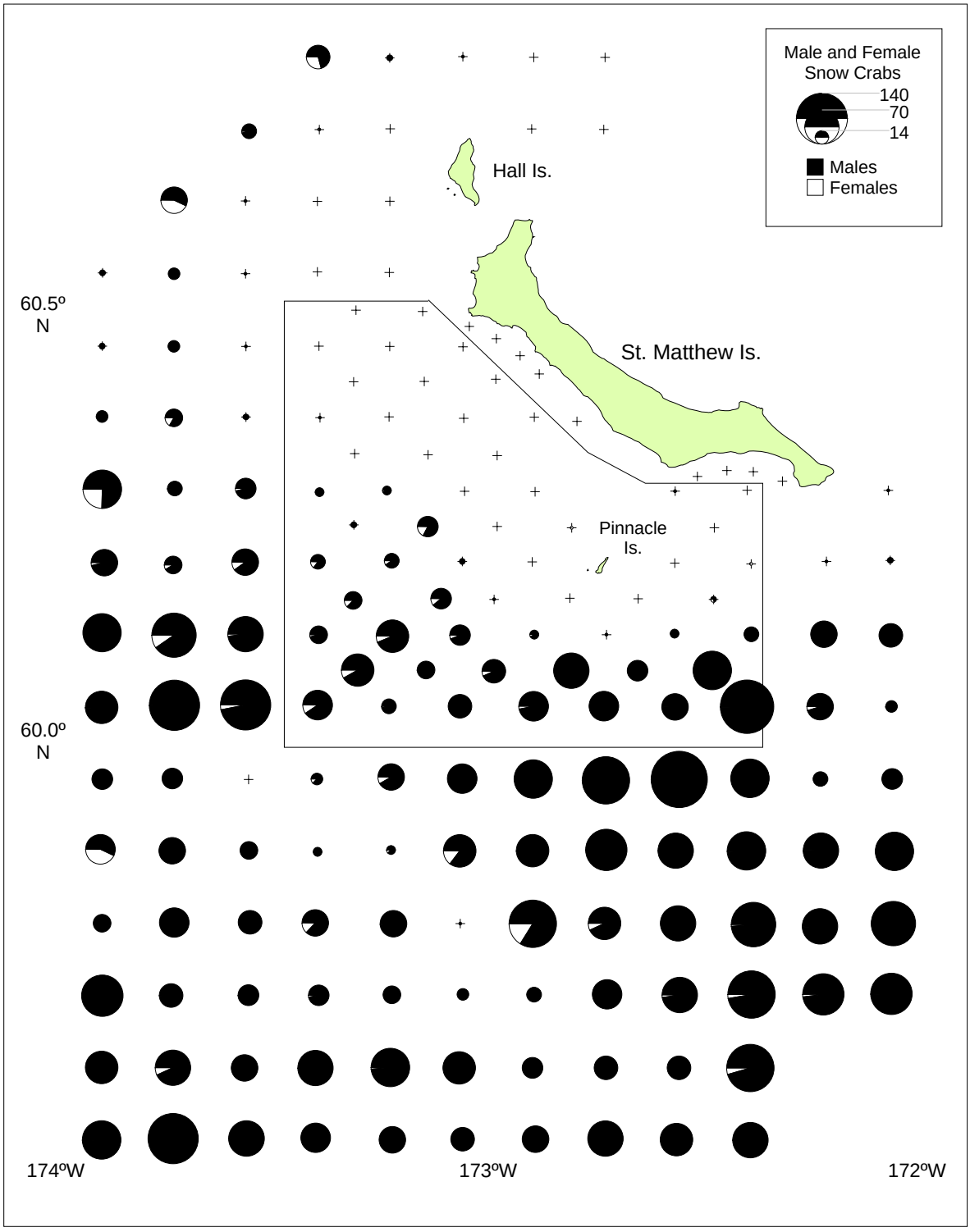


Figure 16.–Male and female snow crab catch per unit effort (CPUE; catch per pot lift) by station in the 2007 St. Matthew Island survey.

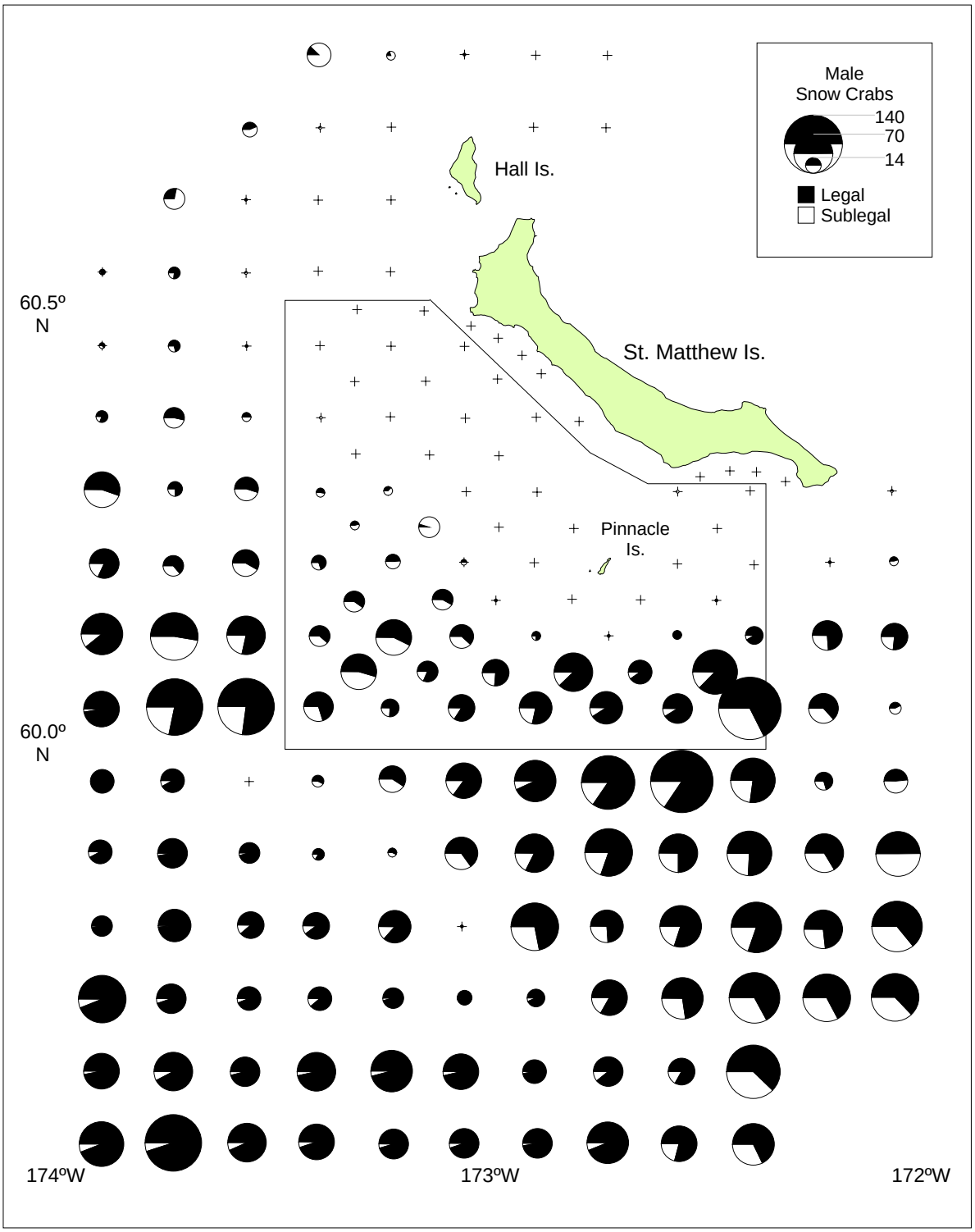


Figure 17.–Legal and sublegal male snow crab catch per unit effort (CPUE; catch per pot lift) by station in the 2007 St. Matthew Island survey.

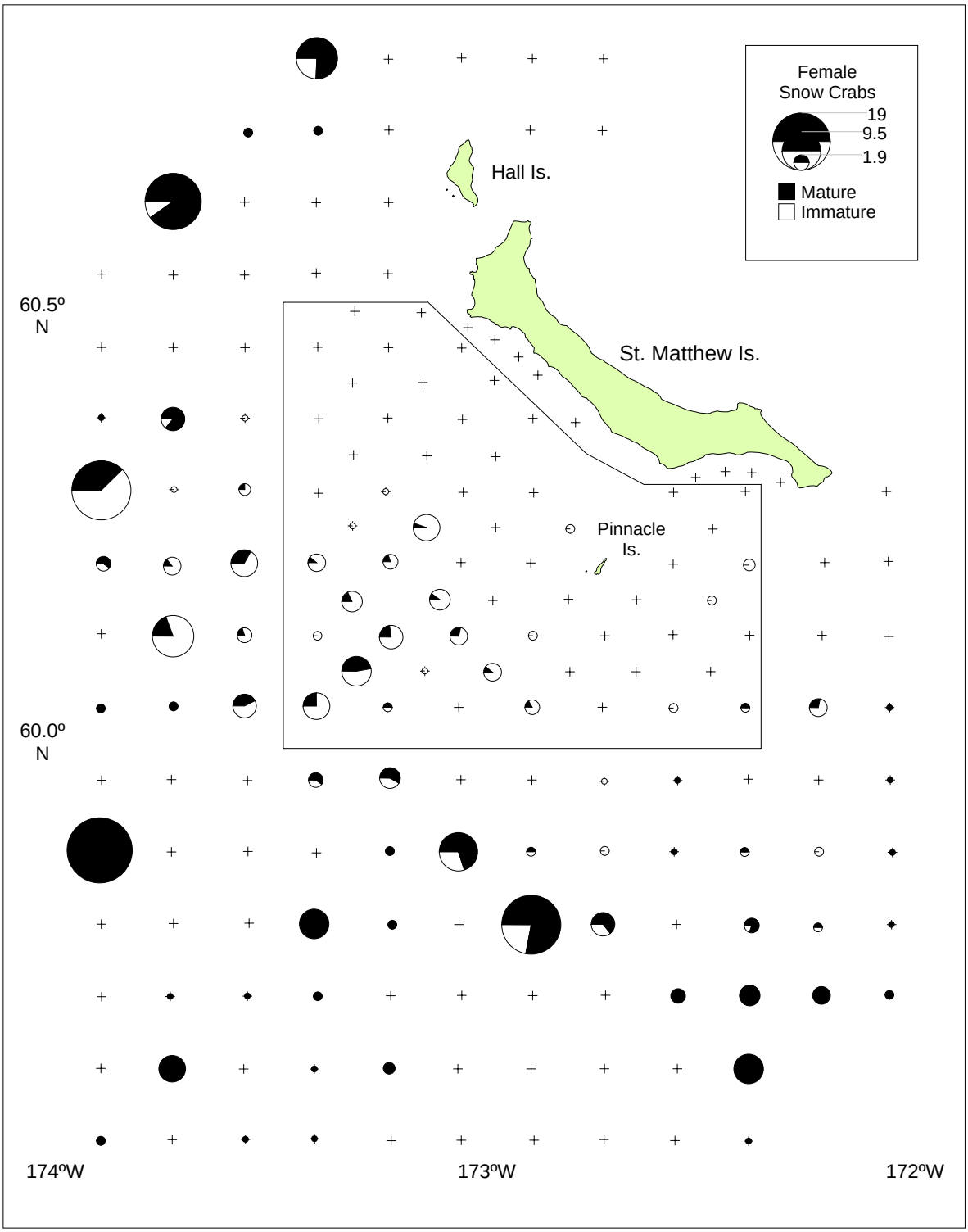


Figure 18.–Female snow crab catch per unit effort (CPUE; catch per pot lift) by station in the 2007 St. Matthew Island survey.

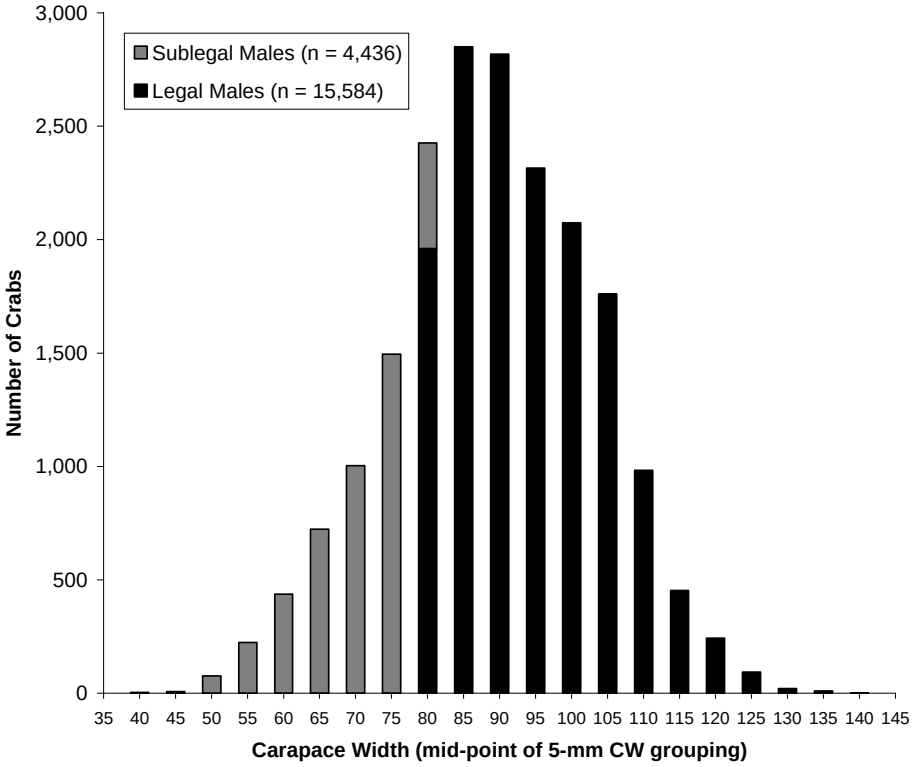


Figure 19.–Carapace width distributions of sublegal and legal male snow crabs captured in the 2007 St. Matthew Island survey.

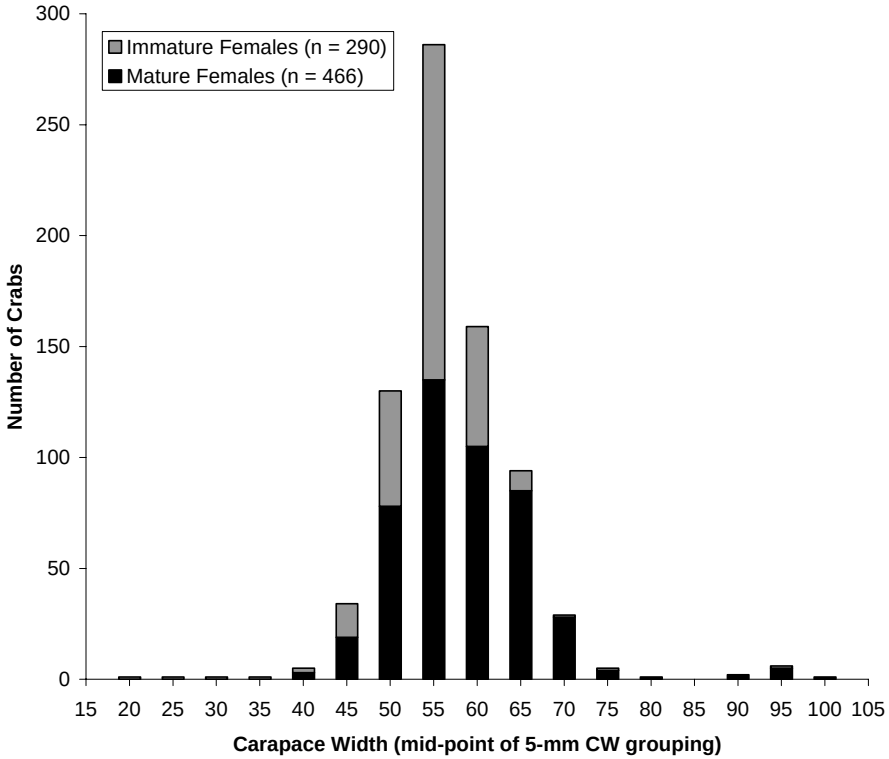


Figure 20.–Carapace width distributions of immature and mature female snow crabs captured in the 2007 St. Matthew Island survey.

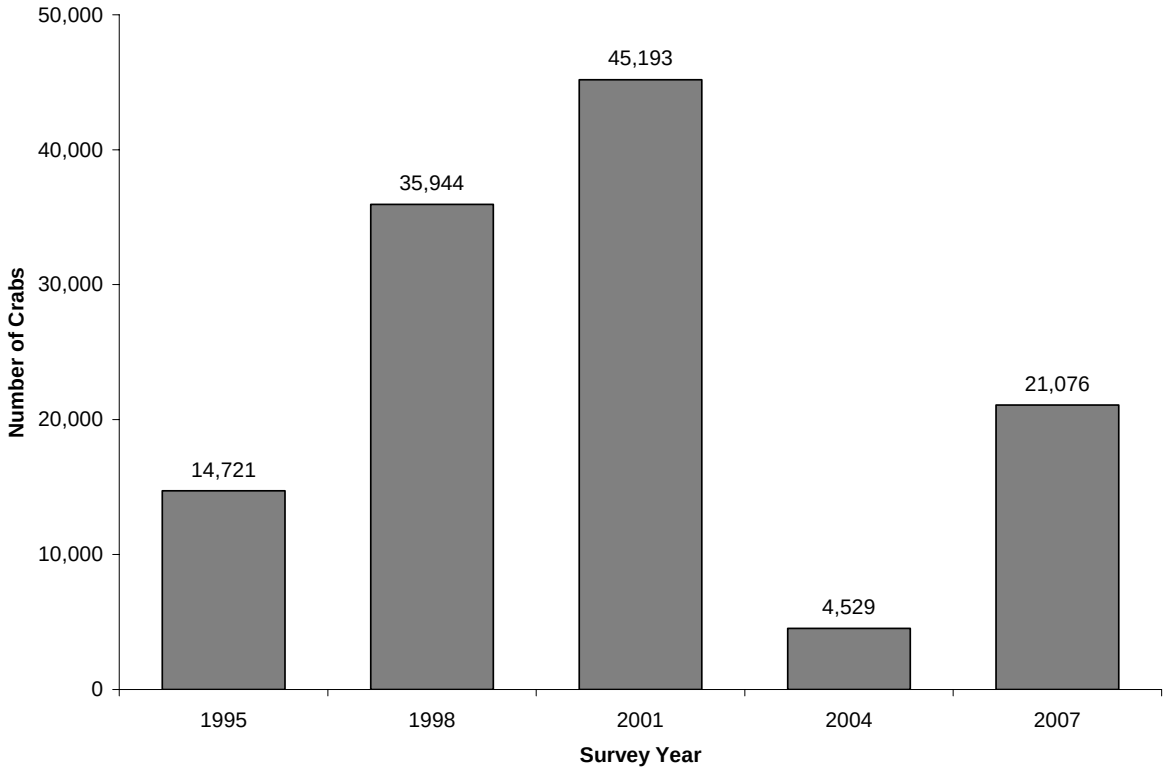


Figure 21.–Snow crab catches from the five triennial St. Matthew Island pot surveys, 1995 – 2007; data is from all stations fished in each survey year.

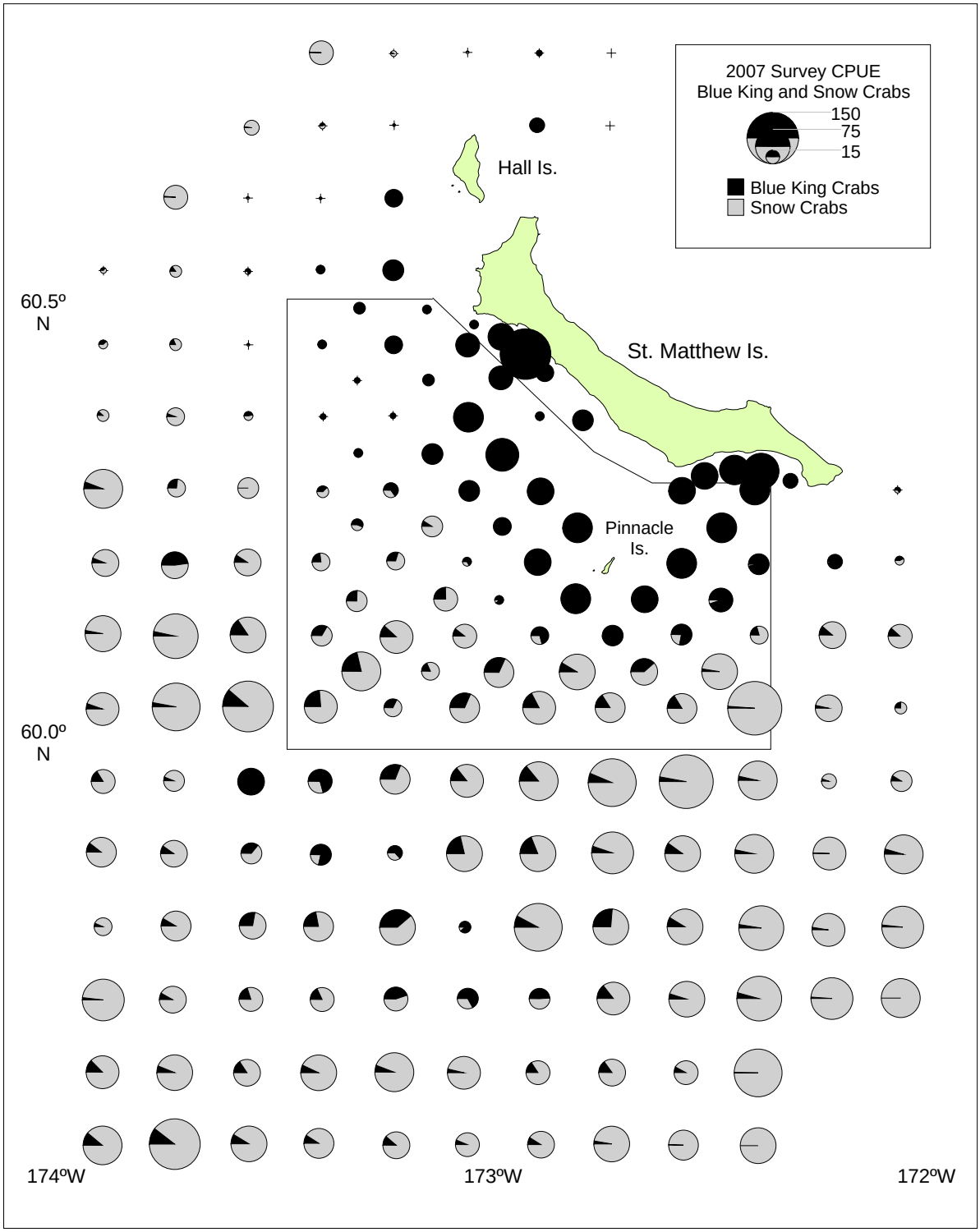


Figure 22.–Distribution and catch per unit effort (CPUE; catch per pot lift) of blue king and snow crabs in the 2007 St. Matthew Island survey.

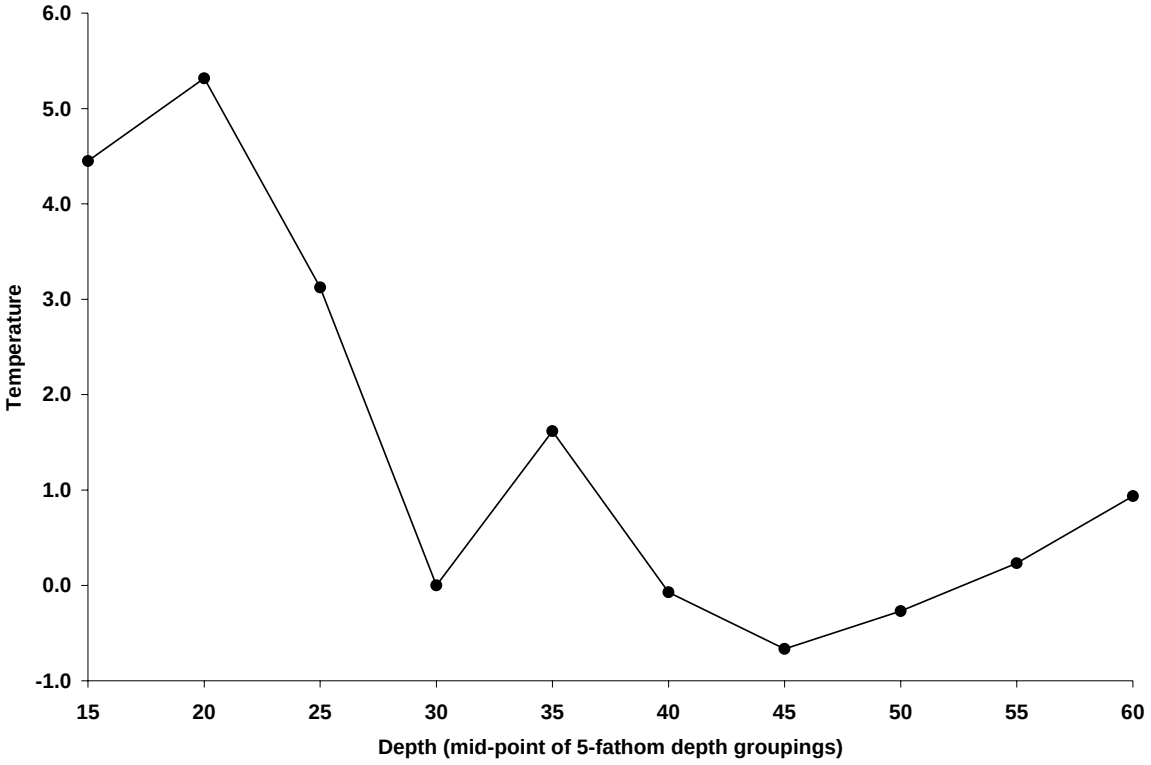


Figure 23.–Average ocean bottom temperatures (°C) from the 2007 St. Matthew Island blue king crab survey.

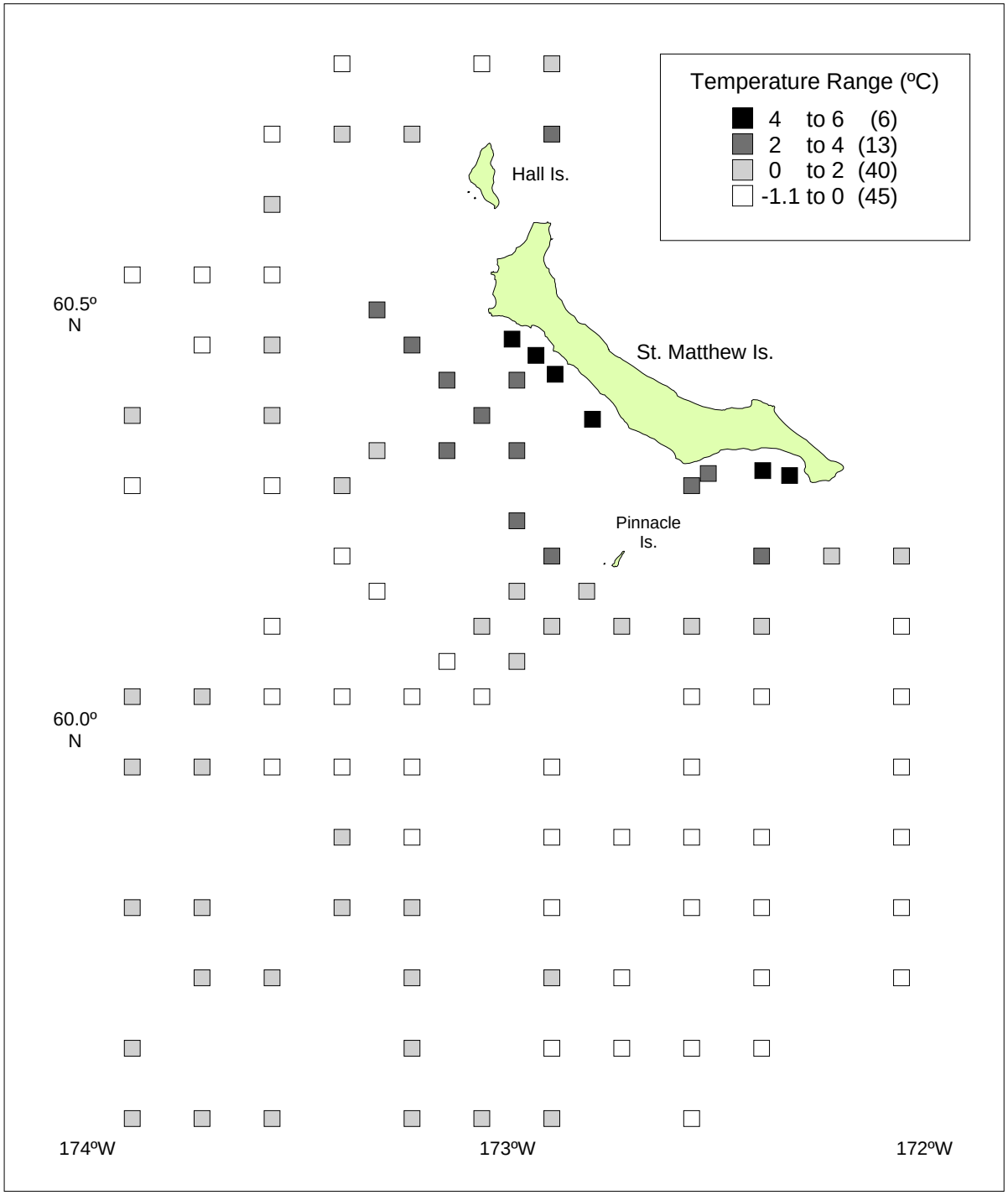


Figure 24.–Average ocean bottom temperatures recorded by station location during the 2007 St. Matthew Island blue king crab survey.

APPENDIX A. BLUE KING CRAB CATCH

Appendix A1.–Male blue king crab catch, catch per unit effort (CPUE; catch per pot lift), and station locations from the 2007 St. Matthew Island pot survey.

		Lift	No.	Soak	Depth	Location		Legal		Sublegal		Total	
Station	Stratum	Date	Pots	Hrs.	(fms)	N. lat.	W. long.	No.	CPUE	No.	CPUE	No.	CPUE
1	1	8/13	4	47.6	43	60.46	173.92	5	1.3	2	0.5	7	1.8
2	1	8/13	4	47.7	38	60.46	173.75	5	1.3	3	0.8	8	2.0
3	1	8/13	4	47.7	35	60.46	173.58	1	0.3	2	0.5	3	0.8
4	2	8/10	4	47.7	32	60.46	173.41	15	3.8	10	2.5	25	6.3
5	2	8/10	4	47.7	28	60.46	173.25	41	10.3	30	7.5	71	17.8
6	1	8/13	4	47.6	45	60.38	173.92	2	0.5	3	0.8	5	1.3
7	1	8/13	4	47.7	40	60.38	173.75	4	1.0	1	0.3	5	1.3
8	1	8/13	4	47.7	35	60.38	173.58	8	2.0	5	1.3	13	3.3
9	2	8/10	4	47.7	33	60.38	173.41	11	2.8	2	0.5	13	3.3
10	2	8/10	4	47.6	31	60.38	173.25	7	1.8	1	0.3	8	2.0
11	2	8/5	4	47.6	26	60.37	173.08	93	23.3	56	14.0	149	37.3
12	2	8/10	4	47.7	32	60.33	173.33	13	3.3	7	1.8	20	5.0
13	2	8/9	4	47.7	30	60.33	173.16	62	15.5	45	11.3	107	26.8
14	2	8/9	4	47.7	26	60.33	173.00	80	20.0	38	9.5	118	29.5
15	1	8/13	4	47.6	48	60.29	173.92	8	2.0	9	2.3	17	4.3
16	1	8/13	4	47.6	43	60.29	173.75	6	1.5	12	3.0	18	4.5
17	1	8/14	4	47.6	37	60.29	173.58	1	0.3	0	0.0	0	0.0
18	2	8/8	4	47.7	35	60.29	173.41	9	2.3	5	1.3	14	3.5
19	2	8/8	4	47.7	32	60.29	173.26	18	4.5	12	3.0	30	7.5
20	2	8/9	4	47.7	31	60.29	173.08	65	16.3	32	8.0	97	24.3
21	2	8/9	4	47.7	26	60.29	172.91	66	16.5	27	6.8	93	23.3
22	1	8/3	4	47.6	19	60.29	172.42	40	10.0	63	15.8	103	25.8
23	1	8/3	4	47.6	31	60.29	172.10	1	0.3	6	1.5	7	1.8
24	2	8/8	4	47.7	34	60.25	173.33	12	3.0	6	1.5	18	4.5
25	2	8/9	4	47.7	32	60.25	173.16	8	2.0	2	0.5	10	2.5
26	2	8/9	4	47.7	31	60.25	173.26	44	11.0	29	7.3	73	18.3
27	1	8/14	4	47.7	49	60.21	173.91	6	1.5	3	0.8	9	2.3
28	1	8/14	4	47.7	46	60.21	173.75	30	7.5	43	10.8	73	18.3
29	1	8/14	4	47.6	41	60.21	173.58	5	1.3	10	2.5	15	3.8
30	2	8/8	4	47.7	37	60.21	173.42	9	2.3	9	2.3	18	4.5
31	2	8/8	4	47.6	34	60.21	173.25	10	2.5	11	2.8	21	5.3
32	2	8/8	4	47.7	32	60.21	173.08	8	2.0	8	2.0	16	4.0
33	2	8/9	4	47.7	31	60.21	172.92	90	22.5	53	13.3	143	35.8
34	2	8/4	4	47.7	26	60.21	172.59	101	25.3	37	9.3	138	34.5
35	2	8/4	4	47.7	30	60.21	172.41	61	15.3	45	11.3	106	26.5
36	1	8/3	4	47.7	30	60.21	172.24	24	6.0	30	7.5	54	13.5
37	1	8/3	4	47.7	31	60.21	172.09	6	1.5	4	1.0	10	2.5
38	2	8/8	4	47.7	37	60.16	173.33	19	4.8	10	2.5	29	7.3
39	2	8/7	4	47.7	34	60.17	173.13	16	4.0	14	3.5	30	7.5
40	2	8/7	4	47.7	32	60.17	173.01	17	4.3	9	2.3	26	6.5
41	2	8/6	4	47.7	30	60.17	172.83	119	29.8	52	13.0	171	42.8
42	2	8/6	4	47.7	29	60.17	172.67	59	14.8	27	6.8	86	21.5
43	2	8/4	4	47.7	31	60.17	172.50	49	12.3	46	11.5	95	23.8
44	2	8/14	4	47.7	51	60.13	173.92	4	1.0	4	1.0	8	2.0
45	1	8/14	4	47.7	48	60.12	173.75	6	1.5	7	1.8	13	3.3

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Appendix A1.–Page 2 of 4.

Station	Stratum	Lift Date	No. Pots	Soak Hrs.	Depth (fms)	Location		Legal		Sublegal		Total	
						N. lat.	W. long.	No.	CPUE	No.	CPUE	No.	CPUE
46	1	8/14	4	47.6	42	60.13	173.58	25	6.3	18	4.5	43	10.8
47	2	8/8	4	47.7	39	60.12	173.41	18	4.5	19	4.8	37	9.3
48	2	8/7	4	47.7	37	60.12	173.24	18	4.5	10	2.5	28	7.0
49	2	8/7	4	47.7	35	60.12	173.09	6	1.5	4	1.0	10	2.5
50	2	8/6	4	47.7	32	60.12	172.92	35	8.8	20	5.0	55	13.8
51	2	8/6	4	47.7	31	60.12	172.75	63	15.8	29	7.3	92	23.0
52	2	8/6	4	47.7	31	60.13	172.59	46	11.5	30	7.5	76	19.0
53	2	8/2	4	47.7	32	60.13	172.41	8	2.0	7	1.8	15	3.8
54	1	8/2	4	47.7	32	60.13	172.24	7	1.8	12	3.0	19	4.8
55	1	8/2	4	47.7	32	60.12	172.09	6	1.5	10	2.5	16	4.0
56	2	8/7	4	47.7	39	60.08	173.32	46	11.5	16	4.0	62	15.5
57	2	8/7	4	47.7	37	60.08	173.17	12	3.0	4	1.0	16	4.0
58	2	8/7	4	47.7	35	60.08	173.01	41	10.3	18	4.5	59	14.8
59	2	8/6	4	47.7	33	60.08	172.83	15	3.8	8	2.0	23	5.8
60	2	8/6	4	47.7	32	60.08	172.68	36	9.0	26	6.5	62	15.5
61	2	8/2	4	47.7	33	60.08	172.50	5	1.3	1	0.3	6	1.5
62	1	8/15	4	47.7	52	60.04	173.92	5	1.3	7	1.8	12	3.0
63	1	8/14	4	47.8	50	60.04	173.75	7	1.8	6	1.5	13	3.3
64	1	8/14	4	47.7	45	60.04	173.58	21	5.3	35	8.8	56	14.0
65	2	8/8	4	47.7	41	60.04	173.42	26	6.5	26	6.5	52	13.0
66	2	8/7	4	47.7	40	60.05	173.25	17	4.3	10	2.5	27	6.8
67	2	8/7	4	47.7	37	60.04	173.09	44	11.0	17	4.3	61	15.3
68	2	8/6	4	47.7	36	60.04	172.92	19	4.8	13	3.3	32	8.0
69	2	8/6	4	47.7	35	60.04	172.75	18	4.5	14	3.5	32	8.0
70	2	8/2	4	47.7	34	60.04	172.59	21	5.3	10	2.5	31	7.8
71	2	8/2	4	47.6	36	60.04	172.42	6	1.5	0	0.0	6	1.5
72	1	8/2	4	47.7	35	60.04	172.25	3	0.8	2	0.5	5	1.3
73	1	8/2	4	47.7	35	60.04	172.09	7	1.8	4	1.0	11	2.8
74	1	8/15	4	47.7	53	59.96	173.92	5	1.3	15	3.8	20	5.0
75	1	8/15	4	47.7	52	59.96	173.75	2	0.5	5	1.3	7	1.8
76	1	7/30	4	47.7	48	59.96	173.58	60	15.0	86	21.5	146	36.5
77	1	7/30	4	47.7	44	59.96	173.42	43	10.8	46	11.5	89	22.3
78	1	7/31	4	47.7	41	59.96	173.25	33	8.3	27	6.8	60	15.0
79	1	7/31	4	47.7	40	59.96	173.08	19	4.8	13	3.3	32	8.0
80	1	7/31	4	47.6	38	59.96	172.92	27	6.8	16	4.0	43	10.8
81	1	7/31	4	47.7	37	59.96	172.75	12	3.0	16	4.0	28	7.0
82	1	8/1	4	47.6	38	59.96	172.58	4	1.0	12	3.0	16	4.0
83	1	8/1	4	47.7	39	59.96	172.42	3	0.8	8	2.0	11	2.8
84	1	8/1	4	47.7	38	59.96	172.25	2	0.5	0	0.0	2	0.5
85	1	8/1	4	47.7	37	59.96	172.09	3	0.8	7	1.8	10	2.5
86	1	8/15	4	47.7	55	59.88	173.92	9	2.3	12	3.0	21	5.3
87	1	8/15	4	47.7	54	59.88	173.75	8	2.0	7	1.8	15	3.8
88	1	7/30	4	47.7	51	59.88	173.58	18	4.5	24	6.0	42	10.5
89	1	7/30	4	47.7	49	59.87	173.42	32	8.0	54	13.5	86	21.5
90	1	7/31	4	47.7	44	59.88	173.25	24	6.0	15	3.8	39	9.8
91	1	7/31	4	47.7	43	59.88	173.09	25	6.3	25	6.3	50	12.5

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Station	Stratum	Lift Date	No. Pots	Soak Hrs.	Depth (fms)	Location		Legal		Sublegal		Total	
						N. lat.	W. long.	No.	CPUE	No.	CPUE	No.	CPUE
92	1	7/31	4	47.7	42	59.88	172.92	24	6.0	28	7.0	52	13.0
93	1	7/31	4	47.7	41	59.88	172.75	9	2.3	8	2.0	17	4.3
94	1	8/1	4	47.7	41	59.88	172.59	8	2.0	16	4.0	24	6.0
95	1	8/1	4	47.6	41	59.87	172.42	4	1.0	6	1.5	10	2.5
96	1	8/1	4	47.6	40	59.88	172.25	0	0.0	1	0.3	1	0.3
97	1	8/1	4	47.7	40	59.87	172.08	3	0.8	10	2.5	13	3.3
98	1	8/15	4	47.7	56	59.79	173.92	3	0.8	2	0.5	5	1.3
99	1	8/15	4	47.7	55	59.79	173.75	11	2.8	6	1.5	17	4.3
100	1	7/30	4	47.7	53	59.79	173.57	16	4.0	28	7.0	44	11.0
101	1	7/30	4	47.7	51	59.79	173.42	17	4.3	24	6.0	41	10.3
102	1	7/29	4	47.7	48	59.79	173.24	44	11.0	57	14.3	101	25.3
103	1	7/29	4	47.7	46	59.79	173.09	18	4.5	16	4.0	34	8.5
104	1	7/29	4	47.7	45	59.79	172.92	12	3.0	24	6.0	36	9.0
105	1	7/29	4	47.7	44	59.79	172.75	26	6.5	43	10.8	69	17.3
106	1	7/28	4	47.6	43	59.79	172.58	4	1.0	20	5.0	24	6.0
107	1	7/28	4	47.6	42	59.79	172.41	4	1.0	6	1.5	10	2.5
108	1	7/28	4	47.6	42	59.79	172.25	1	0.3	5	1.3	6	1.5
109	1	7/28	4	47.7	42	59.79	172.08	3	0.8	3	0.8	6	1.5
110	1	8/15	4	47.7	57	59.71	173.92	2	0.5	4	1.0	6	1.5
111	1	8/15	4	47.7	56	59.71	173.76	6	1.5	6	1.5	12	3.0
112	1	7/30	4	47.6	54	59.71	173.58	14	3.5	10	2.5	24	6.0
113	1	7/30	4	47.7	53	59.71	173.41	10	2.5	12	3.0	22	5.5
114	1	7/29	4	47.7	51	59.71	173.24	21	5.3	38	9.5	59	14.8
115	1	7/29	4	47.7	50	59.71	173.08	29	7.3	45	11.3	74	18.5
116	1	7/29	4	47.7	47	59.71	172.92	22	5.5	35	8.8	57	14.3
117	1	7/29	4	47.7	47	59.71	172.75	10	2.5	23	5.8	33	8.3
118	1	7/28	4	47.7	46	59.71	172.58	5	1.3	8	2.0	13	3.3
119	1	7/28	4	47.7	45	59.71	172.41	8	2.0	9	2.3	17	4.3
120	1	7/28	4	47.7	44	59.71	172.25	1	0.3	3	0.8	4	1.0
121	1	7/28	4	47.7	43	59.71	172.09	0	0.0	0	0.0	0	0.0
122	1	8/18	4	95.6	58	59.63	173.92	8	2.0	23	5.8	31	7.8
123	1	8/18	4	95.6	57	59.62	173.75	9	2.3	7	1.8	16	4.0
124	1	8/18	4	95.6	56	59.62	173.59	14	3.5	13	3.3	27	6.8
125	1	8/17	4	71.9	54	59.61	173.42	8	2.0	10	2.5	18	4.5
126	1	8/17	4	47.6	53	59.63	173.25	7	1.8	10	2.5	17	4.3
127	1	8/17	4	47.6	52	59.62	173.09	4	1.0	4	1.0	8	2.0
128	1	8/17	4	47.6	50	59.62	172.92	7	1.8	13	3.3	20	5.0
129	1	8/17	4	47.6	48	59.62	172.75	9	2.3	15	3.8	24	6.0
130	1	8/18	4	24.3	46	59.62	172.58	3	0.8	8	2.0	11	2.8
131	1	8/18	4	24.3	46	59.62	172.41	0	0.0	1	0.3	1	0.3
134	1	8/18	4	95.6	60	59.54	173.90	11	2.8	25	6.3	36	9.0
135	1	8/18	4	95.6	58	59.54	173.74	16	4.0	38	9.5	54	13.5
136	1	8/18	4	95.6	57	59.54	173.58	10	2.5	13	3.3	23	5.8
137	1	8/17	4	71.8	56	59.54	173.42	6	1.5	13	3.3	19	4.8
138	1	8/17	4	47.8	54	59.54	173.24	7	1.8	12	3.0	19	4.8
139	1	8/17	4	47.8	53	59.54	173.08	4	1.0	5	1.3	9	2.3

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Station	Stratum	Lift Date	No. Pots	Soak Hrs.	Depth (fms)	Location		Legal		Sublegal		Total	
						N. lat.	W. long.	No.	CPUE	No.	CPUE	No.	CPUE
140	1	8/17	4	47.8	51	59.54	172.91	3	0.8	11	2.8	14	3.5
141	1	8/17	4	47.8	50	59.54	172.75	4	1.0	3	0.8	7	1.8
142	1	8/18	4	24.3	49	59.54	172.59	1	0.3	0	0.0	1	0.3
143	1	8/18	4	24.3	46	59.54	172.53	0	0.0	0	0.0	0	0.0
146	2	8/9	4	47.7	23	60.25	172.83	99	24.8	28	7.0	127	31.8
147	2	8/5	4	47.7	18	60.38	172.92	16	4.0	12	3.0	28	7.0
148	2	8/5	4	47.7	22	60.42	173.00	51	12.8	16	4.0	67	16.8
149	2	8/5	4	47.7	19	60.46	173.08	19	4.8	46	11.5	65	16.3
150	2	8/10	4	47.7	27	60.42	173.17	14	3.5	14	3.5	28	7.0
151	2	8/10	4	47.7	31	60.42	173.33	10	2.5	5	1.3	15	3.8
152	2	8/10	4	47.7	31	60.50	173.33	16	4.0	24	6.0	40	10.0
156	1	8/11	4	47.7	38	60.79	173.42	1	0.3	0	0.0	1	0.3
157	1	8/11	4	47.7	37	60.79	173.25	0	0.0	1	0.3	1	0.3
158	1	8/11	4	47.7	36	60.79	173.08	1	0.3	2	0.5	3	0.8
159	1	8/11	4	47.7	33	60.79	172.92	4	1.0	4	1.0	8	2.0
160	1	8/11	4	47.7	31	60.79	172.75	0	0.0	0	0.0	0	0.0
167	1	8/12	4	47.7	38	60.71	173.58	0	0.0	1	0.3	1	0.3
168	1	8/11	4	47.7	36	60.71	173.41	3	0.8	1	0.3	4	1.0
169	1	8/11	4	47.7	35	60.71	173.25	1	0.3	1	0.3	2	0.5
170	1	8/11	4	47.7	33	60.71	172.92	24	6.0	38	9.5	62	15.5
171	1	8/11	4	47.7	26	60.71	172.75	0	0.0	0	0.0	0	0.0
177	1	8/12	4	47.7	40	60.63	173.75	1	0.3	1	0.3	2	0.5
178	1	8/12	4	47.7	36	60.63	173.58	0	0.0	2	0.5	2	0.5
179	1	8/12	4	47.7	34	60.62	173.42	2	0.5	4	1.0	6	1.5
180	1	8/12	4	47.7	32	60.63	173.25	42	10.5	35	8.8	77	19.3
186	1	8/13	4	47.7	43	60.54	173.92	3	0.8	3	0.8	6	1.5
187	1	8/12	4	47.7	39	60.54	173.96	4	1.0	1	0.3	5	1.3
188	1	8/12	4	47.7	36	60.54	173.67	5	1.3	3	0.8	8	2.0
189	1	8/12	4	47.7	33	60.54	173.43	12	3.0	10	2.5	22	5.5
190	1	8/12	4	47.6	26	60.54	173.25	67	16.8	35	8.8	102	25.5
201	1	8/3	4	47.7	17	60.29	172.59	13	3.3	32	8.0	45	11.3
202	1	8/3	4	47.7	26	60.25	172.50	106	26.5	44	11.0	150	37.5
203	1	8/10	4	47.7	18	60.50	173.17	11	2.8	15	3.8	26	6.5
301	3	8/5	4	47.7	14	60.48	173.07	1	0.3	0	0.0	1	0.3
302	3	8/5	4	47.7	15	60.47	173.00	1	0.3	4	1.0	5	1.3
303	3	8/5	4	47.7	13	60.45	172.95	1	0.3	3	0.8	4	1.0
304	3	8/5	4	47.7	14	60.43	172.90	0	0.0	3	0.8	3	0.8
306	3	8/5	4	47.7	12	60.37	172.82	0	0.0	2	0.5	2	0.5
307	3	8/4	4	47.7	12	60.31	172.54	5	1.3	13	3.3	18	4.5
308	3	8/4	4	47.7	12	60.31	172.47	5	1.3	11	2.8	16	4.0
309	3	8/4	4	47.7	13	60.31	172.41	8	2.0	6	1.5	14	3.5
310	3	8/4	3	47.7	14	60.30	172.34	3	1.0	2	0.7	5	1.7
	Total:		715	49.0	38			3,189	4.5	2,736	3.8	5,925	8.3

Appendix A2.–Female blue king crab catch, catch per unit effort (CPUE; catch per pot lift), and station locations from the 2007 St. Matthew Island pot survey.

		Date	No.	Soak	Depth	Location		Mature		Immature		Maturity Unknown		Total	
Station	Stratum	Set	Pots	Hrs.	(fms)	N. lat.	W. long.	No.	CPUE	No.	CPUE	No.	CPUE	No.	CPUE
1	1	8/13	4	47.6	43	60.46	173.92	0	0.0	0	0.0	0	0.0	0	0.0
2	1	8/13	4	47.7	38	60.46	173.75	0	0.0	0	0.0	0	0.0	0	0.0
3	1	8/13	4	47.7	35	60.46	173.58	0	0.0	0	0.0	0	0.0	0	0.0
4	2	8/10	4	47.7	32	60.46	173.41	1	0.3	1	0.3	1	0.3	3	0.8
5	2	8/10	4	47.7	28	60.46	173.25	0	0.0	7	1.8	1	0.3	8	2.0
6	1	8/13	4	47.6	45	60.38	173.92	0	0.0	0	0.0	0	0.0	0	0.0
7	1	8/13	4	47.7	40	60.38	173.75	0	0.0	0	0.0	0	0.0	0	0.0
8	1	8/13	4	47.7	35	60.38	173.58	0	0.0	0	0.0	0	0.0	0	0.0
9	2	8/10	4	47.7	33	60.38	173.41	0	0.0	1	0.3	0	0.0	1	0.3
10	2	8/10	4	47.6	31	60.38	173.25	1	0.3	0	0.0	0	0.0	1	0.3
11	2	8/5	4	47.6	26	60.37	173.08	28	7.0	21	5.3	4	1.0	53	13.3
12	2	8/10	4	47.7	32	60.33	173.33	0	0.0	0	0.0	0	0.0	0	0.0
13	2	8/9	4	47.7	30	60.33	173.16	2	0.5	1	0.3	0	0.0	3	0.8
14	2	8/9	4	47.7	26	60.33	173.00	76	19.0	16	4.0	3	0.8	95	23.8
15	1	8/13	4	47.6	48	60.29	173.92	0	0.0	0	0.0	0	0.0	0	0.0
16	1	8/13	4	47.6	43	60.29	173.75	0	0.0	1	0.3	0	0.0	1	0.3
17	1	8/14	4	47.6	37	60.29	173.58	0	0.0	0	0.0	0	0.0	0	0.0
18	2	8/8	4	47.7	35	60.29	173.41	0	0.0	0	0.0	0	0.0	0	0.0
19	2	8/8	4	47.7	32	60.29	173.26	2	0.5	0	0.0	0	0.0	2	0.5
20	2	8/9	4	47.7	31	60.29	173.08	4	1.0	9	2.3	1	0.3	14	3.5
21	2	8/9	4	47.7	26	60.29	172.91	58	14.5	15	3.8	3	0.8	76	19.0
22	1	8/3	4	47.6	19	60.29	172.42	83	20.8	12	3.0	14	3.5	109	27.3
23	1	8/3	4	47.6	31	60.29	172.10	0	0.0	0	0.0	0	0.0	0	0.0
24	2	8/8	4	47.7	34	60.25	173.33	0	0.0	0	0.0	0	0.0	0	0.0
25	2	8/9	4	47.7	32	60.25	173.16	0	0.0	0	0.0	0	0.0	0	0.0
26	2	8/9	4	47.7	31	60.25	173.26	4	1.0	13	3.3	1	0.3	18	4.5
27	1	8/14	4	47.7	49	60.21	173.91	0	0.0	0	0.0	0	0.0	0	0.0
28	1	8/14	4	47.7	46	60.21	173.75	0	0.0	0	0.0	0	0.0	0	0.0
29	1	8/14	4	47.6	41	60.21	173.58	0	0.0	0	0.0	0	0.0	0	0.0
30	2	8/8	4	47.7	37	60.21	173.42	0	0.0	0	0.0	0	0.0	0	0.0

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Appendix A2.–Page 2 of 6.

Station	Stratum	Date Set	No. Pots	Soak Hrs.	Depth (fms)	Location		Mature		Immature		Maturity Unknown		Total	
						N. lat.	W. long.	No.	CPUE	No.	CPUE	No.	CPUE	No.	CPUE
31	2	8/8	4	47.6	34	60.21	173.25	0	0.0	1	0.3	0	0.0	1	0.3
32	2	8/8	4	47.7	32	60.21	173.08	0	0.0	0	0.0	0	0.0	0	0.0
33	2	8/9	4	47.7	31	60.21	172.92	12	3.0	13	3.3	2	0.5	27	6.8
34	2	8/4	4	47.7	26	60.21	172.59	34	8.5	9	2.3	1	0.3	44	11.0
35	2	8/4	4	47.7	30	60.21	172.41	7	1.8	0	0.0	0	0.0	7	1.8
36	1	8/3	4	47.7	30	60.21	172.24	5	1.3	1	0.3	1	0.3	7	1.8
37	1	8/3	4	47.7	31	60.21	172.09	0	0.0	0	0.0	0	0.0	0	0.0
38	2	8/8	4	47.7	37	60.16	173.33	0	0.0	0	0.0	0	0.0	0	0.0
39	2	8/7	4	47.7	34	60.17	173.13	0	0.0	0	0.0	0	0.0	0	0.0
40	2	8/7	4	47.7	32	60.17	173.01	0	0.0	0	0.0	0	0.0	0	0.0
41	2	8/6	4	47.7	30	60.17	172.83	28	7.0	6	1.5	6	1.5	40	10.0
42	2	8/6	4	47.7	29	60.17	172.67	56	14.0	7	1.8	3	0.8	66	16.5
43	2	8/4	4	47.7	31	60.17	172.50	19	4.8	4	1.0	1	0.3	24	6.0
44	2	8/14	4	47.7	51	60.13	173.92	0	0.0	0	0.0	0	0.0	0	0.0
45	1	8/14	4	47.7	48	60.12	173.75	0	0.0	0	0.0	0	0.0	0	0.0
46	1	8/14	4	47.6	42	60.13	173.58	1	0.3	0	0.0	0	0.0	1	0.3
47	2	8/8	4	47.7	39	60.12	173.41	0	0.0	0	0.0	0	0.0	0	0.0
48	2	8/7	4	47.7	37	60.12	173.24	0	0.0	0	0.0	0	0.0	0	0.0
49	2	8/7	4	47.7	35	60.12	173.09	1	0.3	2	0.5	0	0.0	3	0.8
50	2	8/6	4	47.7	32	60.12	172.92	1	0.3	0	0.0	0	0.0	1	0.3
51	2	8/6	4	47.7	31	60.12	172.75	14	3.5	1	0.3	0	0.0	15	3.8
52	2	8/6	4	47.7	31	60.13	172.59	5	1.3	0	0.0	0	0.0	5	1.3
53	2	8/2	4	47.7	32	60.13	172.41	0	0.0	0	0.0	0	0.0	0	0.0
54	1	8/2	4	47.7	32	60.13	172.24	0	0.0	0	0.0	0	0.0	0	0.0
55	1	8/2	4	47.7	32	60.12	172.09	0	0.0	0	0.0	0	0.0	0	0.0
56	2	8/7	4	47.7	39	60.08	173.32	0	0.0	0	0.0	0	0.0	0	0.0
57	2	8/7	4	47.7	37	60.08	173.17	0	0.0	0	0.0	0	0.0	0	0.0
58	2	8/7	4	47.7	35	60.08	173.01	2	0.5	0	0.0	0	0.0	2	0.5
59	2	8/6	4	47.7	33	60.08	172.83	0	0.0	0	0.0	0	0.0	0	0.0
60	2	8/6	4	47.7	32	60.08	172.68	1	0.3	0	0.0	0	0.0	1	0.3

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Appendix A2.–Page 3 of 6.

Station	Stratum	Date Set	No. Pots	Soak Hrs.	Depth (fms)	Location		Mature		Immature		Maturity Unknown		Total	
						N. lat.	W. long.	No.	CPUE	No.	CPUE	No.	CPUE	No.	CPUE
61	2	8/2	4	47.7	33	60.08	172.50	1	0.3	0	0.0	0	0.0	1	0.3
62	1	8/15	4	47.7	52	60.04	173.92	0	0.0	0	0.0	0	0.0	0	0.0
63	1	8/14	4	47.8	50	60.04	173.75	0	0.0	0	0.0	0	0.0	0	0.0
64	1	8/14	4	47.7	45	60.04	173.58	0	0.0	1	0.3	0	0.0	1	0.3
65	2	8/8	4	47.7	41	60.04	173.42	0	0.0	0	0.0	0	0.0	0	0.0
66	2	8/7	4	47.7	40	60.05	173.25	0	0.0	0	0.0	0	0.0	0	0.0
67	2	8/7	4	47.7	37	60.04	173.09	0	0.0	0	0.0	0	0.0	0	0.0
68	2	8/6	4	47.7	36	60.04	172.92	4	1.0	1	0.3	1	0.3	6	1.5
69	2	8/6	4	47.7	35	60.04	172.75	0	0.0	1	0.3	0	0.0	1	0.3
70	2	8/2	4	47.7	34	60.04	172.59	0	0.0	0	0.0	0	0.0	0	0.0
71	2	8/2	4	47.6	36	60.04	172.42	0	0.0	0	0.0	0	0.0	0	0.0
72	1	8/2	4	47.7	35	60.04	172.25	0	0.0	0	0.0	0	0.0	0	0.0
73	1	8/2	4	47.7	35	60.04	172.09	0	0.0	1	0.3	0	0.0	1	0.3
74	1	8/15	4	47.7	53	59.96	173.92	0	0.0	0	0.0	0	0.0	0	0.0
75	1	8/15	4	47.7	52	59.96	173.75	0	0.0	0	0.0	0	0.0	0	0.0
76	1	7/30	4	47.7	48	59.96	173.58	0	0.0	0	0.0	2	0.5	2	0.5
77	1	7/30	4	47.7	44	59.96	173.42	0	0.0	0	0.0	3	0.8	3	0.8
78	1	7/31	4	47.7	41	59.96	173.25	0	0.0	0	0.0	3	0.8	3	0.8
79	1	7/31	4	47.7	40	59.96	173.08	0	0.0	0	0.0	0	0.0	0	0.0
80	1	7/31	4	47.6	38	59.96	172.92	0	0.0	0	0.0	1	0.3	1	0.3
81	1	7/31	4	47.7	37	59.96	172.75	0	0.0	0	0.0	0	0.0	0	0.0
82	1	8/1	4	47.6	38	59.96	172.58	0	0.0	0	0.0	0	0.0	0	0.0
83	1	8/1	4	47.7	39	59.96	172.42	0	0.0	0	0.0	0	0.0	0	0.0
84	1	8/1	4	47.7	38	59.96	172.25	0	0.0	0	0.0	1	0.3	1	0.3
85	1	8/1	4	47.7	37	59.96	172.09	0	0.0	0	0.0	0	0.0	0	0.0
86	1	8/15	4	47.7	55	59.88	173.92	0	0.0	0	0.0	0	0.0	0	0.0
87	1	8/15	4	47.7	54	59.88	173.75	0	0.0	0	0.0	0	0.0	0	0.0
88	1	7/30	4	47.7	51	59.88	173.58	0	0.0	0	0.0	0	0.0	0	0.0
89	1	7/30	4	47.7	49	59.87	173.42	0	0.0	0	0.0	1	0.3	1	0.3
90	1	7/31	4	47.7	44	59.88	173.25	0	0.0	0	0.0	2	0.5	2	0.5

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Appendix A2.–Page 4 of 6.

Station	Stratum	Date Set	No. Pots	Soak Hrs.	Depth (fms)	Location		Mature		Immature		Maturity Unknown		Total	
						N. lat.	W. long.	No.	CPUE	No.	CPUE	No.	CPUE	No.	CPUE
91	1	7/31	4	47.7	43	59.88	173.09	0	0.0	0	0.0	5	1.3	5	1.3
92	1	7/31	4	47.7	42	59.88	172.92	0	0.0	0	0.0	0	0.0	0	0.0
93	1	7/31	4	47.7	41	59.88	172.75	0	0.0	0	0.0	1	0.3	1	0.3
94	1	8/1	4	47.7	41	59.88	172.59	0	0.0	0	0.0	3	0.8	3	0.8
95	1	8/1	4	47.6	41	59.87	172.42	0	0.0	0	0.0	0	0.0	0	0.0
96	1	8/1	4	47.6	40	59.88	172.25	0	0.0	0	0.0	0	0.0	0	0.0
97	1	8/1	4	47.7	40	59.87	172.08	1	0.3	0	0.0	0	0.0	1	0.3
98	1	8/15	4	47.7	56	59.79	173.92	0	0.0	0	0.0	0	0.0	0	0.0
99	1	8/15	4	47.7	55	59.79	173.75	0	0.0	0	0.0	0	0.0	0	0.0
100	1	7/30	4	47.7	53	59.79	173.57	0	0.0	0	0.0	0	0.0	0	0.0
101	1	7/30	4	47.7	51	59.79	173.42	0	0.0	0	0.0	0	0.0	0	0.0
102	1	7/29	4	47.7	48	59.79	173.24	0	0.0	0	0.0	2	0.5	2	0.5
103	1	7/29	4	47.7	46	59.79	173.09	0	0.0	0	0.0	1	0.3	1	0.3
104	1	7/29	4	47.7	45	59.79	172.92	0	0.0	0	0.0	0	0.0	0	0.0
105	1	7/29	4	47.7	44	59.79	172.75	0	0.0	0	0.0	3	0.8	3	0.8
106	1	7/28	4	47.6	43	59.79	172.58	0	0.0	0	0.0	0	0.0	0	0.0
107	1	7/28	4	47.6	42	59.79	172.41	0	0.0	0	0.0	0	0.0	0	0.0
108	1	7/28	4	47.6	42	59.79	172.25	0	0.0	0	0.0	0	0.0	0	0.0
109	1	7/28	4	47.7	42	59.79	172.08	0	0.0	0	0.0	0	0.0	0	0.0
110	1	8/15	4	47.7	57	59.71	173.92	0	0.0	0	0.0	0	0.0	0	0.0
111	1	8/15	4	47.7	56	59.71	173.76	0	0.0	0	0.0	0	0.0	0	0.0
112	1	7/30	4	47.6	54	59.71	173.58	0	0.0	0	0.0	0	0.0	0	0.0
113	1	7/30	4	47.7	53	59.71	173.41	0	0.0	0	0.0	0	0.0	0	0.0
114	1	7/29	4	47.7	51	59.71	173.24	1	0.3	0	0.0	0	0.0	1	0.3
115	1	7/29	4	47.7	50	59.71	173.08	0	0.0	0	0.0	1	0.3	1	0.3
116	1	7/29	4	47.7	47	59.71	172.92	0	0.0	0	0.0	0	0.0	0	0.0
117	1	7/29	4	47.7	47	59.71	172.75	0	0.0	0	0.0	0	0.0	0	0.0
118	1	7/28	4	47.7	46	59.71	172.58	0	0.0	0	0.0	0	0.0	0	0.0
119	1	7/28	4	47.7	45	59.71	172.41	0	0.0	0	0.0	0	0.0	0	0.0
120	1	7/28	4	47.7	44	59.71	172.25	0	0.0	0	0.0	0	0.0	0	0.0

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Appendix A2.–Page 5 of 6.

Station	Stratum	Date Set	No. Pots	Soak Hrs.	Depth (fms)	Location		Mature		Immature		Maturity Unknown		Total	
						N. lat.	W. long.	No.	CPUE	No.	CPUE	No.	CPUE	No.	CPUE
121	1	7/28	4	47.7	43	59.71	172.09	0	0.0	0	0.0	0	0.0	0	0.0
122	1	8/18	4	95.6	58	59.63	173.92	0	0.0	0	0.0	0	0.0	0	0.0
123	1	8/18	4	95.6	57	59.62	173.75	0	0.0	0	0.0	0	0.0	0	0.0
124	1	8/18	4	95.6	56	59.62	173.59	0	0.0	0	0.0	0	0.0	0	0.0
125	1	8/17	4	71.9	54	59.61	173.42	0	0.0	0	0.0	0	0.0	0	0.0
126	1	8/17	4	47.6	53	59.63	173.25	0	0.0	0	0.0	0	0.0	0	0.0
127	1	8/17	4	47.6	52	59.62	173.09	0	0.0	0	0.0	0	0.0	0	0.0
128	1	8/17	4	47.6	50	59.62	172.92	0	0.0	0	0.0	0	0.0	0	0.0
129	1	8/17	4	47.6	48	59.62	172.75	0	0.0	0	0.0	0	0.0	0	0.0
130	1	8/18	4	24.3	46	59.62	172.58	0	0.0	0	0.0	0	0.0	0	0.0
131	1	8/18	4	24.3	46	59.62	172.41	0	0.0	0	0.0	0	0.0	0	0.0
134	1	8/18	4	95.6	60	59.54	173.90	0	0.0	0	0.0	0	0.0	0	0.0
135	1	8/18	4	95.6	58	59.54	173.74	0	0.0	0	0.0	0	0.0	0	0.0
136	1	8/18	4	95.6	57	59.54	173.58	0	0.0	0	0.0	0	0.0	0	0.0
137	1	8/17	4	71.8	56	59.54	173.42	0	0.0	0	0.0	0	0.0	0	0.0
138	1	8/17	4	47.8	54	59.54	173.24	0	0.0	0	0.0	0	0.0	0	0.0
139	1	8/17	4	47.8	53	59.54	173.08	0	0.0	0	0.0	0	0.0	0	0.0
140	1	8/17	4	47.8	51	59.54	172.91	0	0.0	0	0.0	0	0.0	0	0.0
141	1	8/17	4	47.8	50	59.54	172.75	0	0.0	0	0.0	0	0.0	0	0.0
142	1	8/18	4	24.3	49	59.54	172.59	0	0.0	0	0.0	0	0.0	0	0.0
143	1	8/18	4	24.3	46	59.54	172.53	0	0.0	0	0.0	0	0.0	0	0.0
146	2	8/9	4	47.7	23	60.25	172.83	32	8.0	17	4.3	7	1.8	56	14.0
147	2	8/5	4	47.7	18	60.38	172.92	1	0.3	0	0.0	0	0.0	1	0.3
148	2	8/5	4	47.7	22	60.42	173.00	41	10.3	10	2.5	5	1.3	56	14.0
149	2	8/5	4	47.7	19	60.46	173.08	3	0.8	62	15.5	7	1.8	72	18.0
150	2	8/10	4	47.7	27	60.42	173.17	2	0.5	2	0.5	0	0.0	4	1.0
151	2	8/10	4	47.7	31	60.42	173.33	0	0.0	0	0.0	0	0.0	0	0.0
152	2	8/10	4	47.7	31	60.50	173.33	0	0.0	0	0.0	0	0.0	0	0.0
156	1	8/11	4	47.7	38	60.79	173.42	0	0.0	0	0.0	0	0.0	0	0.0
157	1	8/11	4	47.7	37	60.79	173.25	0	0.0	0	0.0	0	0.0	0	0.0

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Appendix A2.–Page 6 of 6.

Station	Stratum	Date Set	No. Pots	Soak Hrs.	Depth (fms)	Location		Mature		Immature		Maturity Unknown		Total	
						N. lat.	W. long.	No.	CPUE	No.	CPUE	No.	CPUE	No.	CPUE
158	1	8/11	4	47.7	36	60.79	173.08	0	0.0	0	0.0	0	0.0	0	0.0
159	1	8/11	4	47.7	33	60.79	172.92	0	0.0	0	0.0	0	0.0	0	0.0
160	1	8/11	4	47.7	31	60.79	172.75	0	0.0	0	0.0	0	0.0	0	0.0
167	1	8/12	4	47.7	38	60.71	173.58	0	0.0	0	0.0	0	0.0	0	0.0
168	1	8/11	4	47.7	36	60.71	173.41	0	0.0	0	0.0	0	0.0	0	0.0
169	1	8/11	4	47.7	35	60.71	173.25	0	0.0	1	0.3	0	0.0	1	0.3
170	1	8/11	4	47.7	33	60.71	172.92	0	0.0	1	0.3	2	0.5	3	0.8
171	1	8/11	4	47.7	26	60.71	172.75	0	0.0	0	0.0	0	0.0	0	0.0
177	1	8/12	4	47.7	40	60.63	173.75	0	0.0	0	0.0	0	0.0	0	0.0
178	1	8/12	4	47.7	36	60.63	173.58	0	0.0	0	0.0	0	0.0	0	0.0
179	1	8/12	4	47.7	34	60.62	173.42	0	0.0	0	0.0	0	0.0	0	0.0
180	1	8/12	4	47.7	32	60.63	173.25	0	0.0	0	0.0	0	0.0	0	0.0
186	1	8/13	4	47.7	43	60.54	173.92	0	0.0	0	0.0	0	0.0	0	0.0
187	1	8/12	4	47.7	39	60.54	173.96	0	0.0	0	0.0	1	0.3	1	0.3
188	1	8/12	4	47.7	36	60.54	173.67	0	0.0	0	0.0	0	0.0	0	0.0
189	1	8/12	4	47.7	33	60.54	173.43	0	0.0	1	0.3	0	0.0	1	0.3
190	1	8/12	4	47.6	26	60.54	173.25	1	0.3	7	1.8	1	0.3	9	2.3
201	1	8/3	4	47.7	17	60.29	172.59	64	16.0	42	10.5	10	2.5	116	29.0
202	1	8/3	4	47.7	26	60.25	172.50	52	13.0	3	0.8	7	1.8	62	15.5
203	1	8/10	4	47.7	18	60.50	173.17	0	0.0	0	0.0	0	0.0	0	0.0
301	3	8/5	4	47.7	14	60.48	173.07	24	6.0	0	0.0	0	0.0	24	6.0
302	3	8/5	4	47.7	15	60.47	173.00	165	41.3	1	0.3	0	0.0	166	41.5
303	3	8/5	4	47.7	13	60.45	172.95	485	121.3	0	0.0	5	1.3	490	122.5
304	3	8/5	4	47.7	14	60.43	172.90	68	17.0	0	0.0	1	0.3	69	17.3
306	3	8/5	4	47.7	12	60.37	172.82	110	27.5	2	0.5	1	0.3	113	28.3
307	3	8/4	4	47.7	12	60.31	172.54	133	33.3	3	0.8	2	0.5	138	34.5
308	3	8/4	4	47.7	12	60.31	172.47	182	45.5	6	1.5	5	1.3	193	48.3
309	3	8/4	4	47.7	13	60.31	172.41	227	56.8	11	2.8	3	0.8	241	60.3
310	3	8/4	3	47.7	14	60.30	172.34	44	11.0	1	0.3	0	0.0	45	15.0
	Total:		715	49.0	38			2,086	2.9	315	0.4	129	0.2	2,530	3.5

APPENDIX B. MALE BLUE KING CRAB CATCH

Appendix B1.–Legal male blue king crab and catch per unit effort (CPUE; catch per pot lift) from the five triennial St. Matthew Island pot surveys, 1995 – 2007.

		Number					Catch Per Unit Effort				
Station	Stratum	1995[a]	1998[b]	2001[c]	2004[d]	2007	1995[a]	1998[b]	2001[c]	2004[d]	2007
1	1	10	23	12	2	5	2.5	5.8	3.0	0.5	1.3
2	1	6	4	9	4	5	1.5	1.0	2.3	1.0	1.3
3	1	13	40	29	9	1	3.3	10.0	7.3	2.3	0.3
4	2	21	16	30	12	15	5.3	4.0	7.5	3.0	3.8
5	2	91	40	36	7	41	22.8	10.0	9.0	1.8	10.3
6	1	3	21	11	0	2	0.8	5.3	2.8	0.0	0.5
7	1	6	56	17	2	4	1.5	14.0	4.3	0.5	1.0
8	1	15	43	29	7	8	3.8	10.8	7.3	1.8	2.0
9	2	21	20	37	11	11	5.3	5.0	9.3	2.8	2.8
10	2	28	26	44	9	7	7.0	6.5	11.0	2.3	1.8
11	2	154	51	58	8	93	38.5	12.8	14.5	2.0	23.3
12	2	12	nf	29	16	13	3.0	-	7.3	4.0	3.3
13	2	25	nf	41	31	62	6.3	-	10.3	7.8	15.5
14	2	256	nf	45	17	80	64.0	-	11.3	4.3	20.0
15	1	2	63	25	0	8	0.5	15.8	6.3	0.0	2.0
16	1	5	38	26	1	6	1.3	9.5	6.5	0.3	1.5
17	1	8	50	20	6	1	2.0	12.5	5.0	1.5	0.3
18	2	16	37	43	10	9	4.0	9.3	10.8	2.5	2.3
19	2	13	18	18	21	18	3.3	4.5	4.5	5.3	4.5
20	2	46	125	109	48	65	11.5	31.3	27.3	12.0	16.3
21	2	115	6	31	9	66	28.8	1.5	7.8	2.3	16.5
22	1	nf	1	9	0	40	-	0.3	2.3	0.0	10.0
23	1	nf	39	7	2	1	-	9.8	1.8	0.5	0.3
24	2	9	nf	32	18	12	2.3	-	8.0	4.5	3.0
25	2	41	nf	30	57	8	10.3	-	7.5	14.3	2.0
26	2	46	nf	20	38	44	11.5	-	5.0	9.5	11.0
27	1	nf	40	10	1	6	-	10.0	2.5	0.3	1.5
28	1	17	58	39	5	30	4.3	14.5	9.8	1.3	7.5
29	1	16	48	19	2	5	4.0	12.0	4.8	0.5	1.3
30	2	3	43	40	7	9	0.8	10.8	10.0	1.8	2.3
31	2	46	79	35	11	10	11.5	19.8	8.8	2.8	2.5
32	2	17	19	22	9	8	4.3	4.8	5.5	2.3	2.0
33	2	91	14	41	24	90	22.8	3.5	10.3	6.0	22.5
34	2	146	51	60	8	101	36.5	12.8	15.0	2.0	25.3
35	2	142	76	52	2	61	35.5	19.0	13.0	0.5	15.3
36	1	32	16	0	0	24	8.0	4.0	0.0	0.0	6.0
37	1	3	8	2	0	6	0.8	2.0	0.5	0.0	1.5
38	2	19	nf	30	17	19	4.8	-	7.5	4.3	4.8
39	2	9	nf	58	25	16	2.3	-	14.5	6.3	4.0
40	2	17	nf	44	15	17	4.3	-	11.0	3.8	4.3
41	2	107	nf	33	11	119	26.8	-	8.3	2.8	29.8
42	2	203	nf	29	8	59	50.8	-	7.3	2.0	14.8
43	2	33	nf	26	6	49	8.3	-	6.5	1.5	12.3
44	1	nf	21	10	0	4	-	5.3	2.5	0.0	1.0

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		Number					Catch Per Unit Effort				
Station	Stratum	1995[a]	1998[b]	2001[c]	2004[d]	2007	1995[a]	1998[b]	2001[c]	2004[d]	2007
45	1	18	29	31	1	6	4.5	7.3	7.8	0.3	1.5
46	1	21	64	38	1	25	5.3	16.0	9.5	0.3	6.3
47	2	15	30	32	4	18	3.8	7.5	8.0	1.0	4.5
48	2	5	67	19	9	18	1.3	16.8	4.8	2.3	4.5
49	2	9	59	28	7	6	2.3	14.8	7.0	1.8	1.5
50	2	35	23	37	5	35	8.8	5.8	9.3	1.3	8.8
51	2	87	41	12	4	63	21.8	10.3	3.0	1.0	15.8
52	2	46	68	29	8	46	11.5	17.0	7.3	2.0	11.5
53	2	12	39	41	5	8	3.0	9.8	10.3	1.3	2.0
54	1	11	1	7	4	7	2.8	0.3	1.8	1.0	1.8
55	1	3	25	4	2	6	0.8	6.3	1.0	0.5	1.5
56	2	14	nf	13	2	46	3.5	-	3.3	0.5	11.5
57	2	12	nf	19	2	12	3.0	-	4.8	0.5	3.0
58	2	7	nf	22	5	41	1.8	-	5.5	1.3	10.3
59	2	41	nf	25	4	15	10.3	-	6.3	1.0	3.8
60	2	13	nf	14	4	36	3.3	-	3.5	1.0	9.0
61	2	6	nf	28	4	5	1.5	-	7.0	1.3	1.3
62	1	nf	31	3	2	5	-	7.8	0.8	0.5	1.3
63	1	9	31	11	1	7	2.3	7.8	2.8	0.3	1.8
64	1	71	33	12	3	21	17.8	8.3	3.0	0.8	5.3
65	2	20	49	17	3	26	5.0	12.3	4.3	0.8	6.5
66	2	2	35	15	2	17	0.5	8.8	3.8	0.5	4.3
67	2	12	65	28	4	44	3.0	16.3	7.0	1.0	11.0
68	2	11	31	11	3	19	2.8	7.8	2.8	0.8	4.8
69	2	15	19	9	2	18	3.8	4.8	2.3	0.5	4.5
70	2	18	26	8	2	21	4.5	6.5	2.0	0.5	5.3
71	2	13	32	12	0	6	3.3	8.0	3.0	0.0	1.5
72	1	2	7	0	4	3	0.5	1.8	0.0	1.0	0.8
73	1	1	11	4	2	7	0.3	2.8	1.0	0.5	1.8
74	1	9	30	3	1	5	2.3	7.5	0.8	0.3	1.3
75	1	14	44	4	0	2	3.5	11.0	1.0	0.0	0.5
76	1	80	61	29	26	60	20.0	15.3	7.3	6.5	15.0
77	1	75	49	17	7	43	18.8	12.3	4.3	1.8	10.8
78	1	10	63	16	5	33	2.5	15.8	4.0	1.3	8.3
79	1	11	43	28	16	19	2.8	10.8	7.0	4.0	4.8
80	1	16	30	16	5	27	4.0	7.5	4.0	1.3	6.8
81	1	2	29	18	0	12	0.5	7.3	4.5	0.0	3.0
82	1	0	12	16	0	4	0.0	3.0	4.0	0.0	1.0
83	1	5	7	5	0	3	1.3	1.8	1.3	0.0	0.8
84	1	5	4	1	0	2	1.3	1.0	0.3	0.0	0.5
85	1	1	4	1	0	3	0.3	1.0	0.3	0.0	0.8
86	1	16	39	13	2	9	4.0	9.8	3.3	0.5	2.3
87	1	10	35	13	2	8	2.5	8.8	3.3	0.5	2.0
88	1	25	33	11	0	18	6.3	8.3	2.8	0.0	4.5
89	1	98	38	24	13	32	24.5	9.5	6.0	3.3	8.0

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		Number					Catch Per Unit Effort				
Station	Stratum	1995[a]	1998[b]	2001[c]	2004[d]	2007	1995[a]	1998[b]	2001[c]	2004[d]	2007
90	1	25	59	27	3	24	6.3	14.8	6.8	0.8	6.0
91	1	19	42	26	1	25	4.8	10.5	6.5	0.3	6.3
92	1	13	46	25	4	24	3.3	11.5	6.3	1.0	6.0
93	1	3	17	13	0	9	0.8	4.3	3.3	0.0	2.3
94	1	0	6	10	0	8	0.0	1.5	2.5	0.0	2.0
95	1	6	6	0	1	4	1.5	1.5	0.0	0.3	1.0
96	1	2	nf	1	0	0	0.5	-	0.3	0.0	0.0
97	1	0	nf	1	0	3	0.0	-	0.3	0.0	0.8
98	1	7	27	13	2	3	1.8	6.8	3.3	0.5	0.8
99	1	11	33	9	3	11	2.8	8.3	2.3	0.8	2.8
100	1	42	31	6	0	16	10.5	7.8	1.5	0.0	4.0
101	1	56	41	19	0	17	14.0	10.3	4.8	0.0	4.3
102	1	103	40	36	3	44	25.8	10.0	9.0	0.8	11.0
103	1	6	32	26	0	18	1.5	8.0	6.5	0.0	4.5
104	1	16	17	34	1	12	4.0	4.3	8.5	0.3	3.0
105	1	9	29	22	3	26	2.3	7.3	5.5	0.8	6.5
106	1	2	nf	6	0	4	0.5	-	1.5	0.0	1.0
107	1	2	nf	5	0	4	0.5	-	1.3	0.0	1.0
108	1	0	nf	2	0	1	0.0	-	0.5	0.0	0.3
109	1	1	nf	18	0	3	0.3	-	4.5	0.0	0.8
110	1	3	25	11	0	2	0.8	6.3	2.8	0.0	0.5
111	1	9	14	8	7	6	2.3	3.5	2.0	1.8	1.5
112	1	36	28	14	0	14	9.0	7.0	3.5	0.0	3.5
113	1	25	23	12	1	10	6.3	5.8	3.0	0.3	2.5
114	1	13	51	49	1	21	3.3	12.8	12.3	0.3	5.3
115	1	17	29	54	1	29	4.3	7.3	13.5	0.3	7.3
116	1	8	21	26	1	22	2.0	5.3	6.5	0.3	5.5
117	1	1	nf	15	0	10	0.3	-	3.8	0.0	2.5
118	1	4	nf	8	0	5	1.0	-	2.0	0.0	1.3
119	1	nf	nf	7	1	8	-	-	1.8	0.3	2.0
120	1	nf	nf	2	0	1	-	-	0.5	0.0	0.3
121	1	nf	nf	0	0	0	-	-	0.0	0.0	0.0
122	1	11	37	18	1	8	2.8	9.3	4.5	0.3	2.0
123	1	9	19	14	3	9	2.3	4.8	3.5	0.8	2.3
124	1	7	24	8	3	14	1.8	6.0	2.0	0.8	3.5
125	1	5	34	10	0	8	1.3	8.5	2.5	0.0	2.0
126	1	6	23	22	1	7	1.5	5.8	5.5	0.3	1.8
127	1	7	24	17	2	4	1.8	6.0	4.3	0.5	1.0
128	1	3	20	8	1	7	0.8	5.0	2.0	0.3	1.8
129	1	1	nf	5	0	9	0.3	-	1.3	0.0	2.3
130	1	1	nf	4	0	3	0.3	-	1.0	0.0	0.8
131	1	nf	nf	2	0	0	-	-	0.5	0.0	0.0
132	1	nf	nf	0	0	nf	-	-	0.0	0.0	-
133	1	nf	nf	0	0	nf	-	-	0.0	0.0	-
134	1	16	nf	nf	0	11	4.0	-	-	0.0	2.8

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Appendix B1.–Page 4 of 5.

		Number					Catch Per Unit Effort				
Station	Stratum	1995[a]	1998[b]	2001[c]	2004[d]	2007	1995[a]	1998[b]	2001[c]	2004[d]	2007
135	1	4	nf	22	0	16	1.0	-	5.5	0.0	4.0
136	1	2	nf	15	3	10	0.5	-	3.8	0.8	2.5
137	1	3	nf	12	0	6	0.8	-	3.0	0.0	1.5
138	1	5	nf	8	1	7	1.3	-	2.0	0.3	1.8
139	1	3	nf	7	nf	4	0.8	-	1.8	-	1.0
140	1	1	nf	12	nf	3	0.3	-	3.0	-	0.8
141	1	1	nf	8	nf	4	0.3	-	2.0	-	1.0
142	1	0	nf	4	nf	1	0.0	-	1.0	-	0.3
143	1	nf	nf	0	nf	0	-	-	0.0	-	0.0
144	1	nf	nf	0	nf	nf	-	-	0.0	-	-
145	1	nf	nf	0	nf	nf	-	-	0.0	-	-
146	2	114	nf	15	2	99	28.5	-	3.8	0.5	24.8
147	2	31	0	1	0	16	7.8	0.0	0.3	0.0	4.0
148	2	132	nf	42	0	51	33.0	-	10.5	0.0	12.8
149	2	83	0	4	0	19	20.8	0.0	1.0	0.0	4.8
150	2	114	nf	5	4	14	28.5	-	1.3	1.0	3.5
151	2	59	nf	23	12	10	14.8	-	5.8	3.0	2.5
152	2	25	nf	17	2	16	6.3	-	4.3	0.5	4.0
156	1	nf	10	nf	nf	1	-	2.5	-	-	0.3
157	1	nf	13	nf	2	0	-	3.3	-	0.5	0.0
158	1	nf	16	nf	10	1	-	4.0	-	2.5	0.3
159	1	nf	3	nf	1	4	-	0.8	-	0.3	1.0
160	1	nf	0	nf	0	0	-	0.0	-	0.0	0.0
167	1	nf	18	nf	4	0	-	4.5	-	1.0	0.0
168	1	nf	16	1	2	3	-	4.0	0.3	0.5	0.8
169	1	nf	21	13	21	1	-	5.3	3.3	5.3	0.3
170	1	nf	30	nf	9	24	-	7.5	-	2.3	6.0
171	1	nf	1	nf	1	0	-	0.3	-	0.3	0.0
172	1	nf	0	nf	0	nf	-	0.0	-	0.0	-
173	1	nf	1	nf	nf	nf	-	0.3	-	-	-
177	1	nf	16	nf	nf	1	-	4.0	-	-	0.3
178	1	nf	26	nf	5	0	-	6.5	-	1.3	0.0
179	1	nf	13	5	6	2	-	3.3	1.3	1.5	0.5
180	1	nf	45	5	23	42	-	11.3	1.3	5.8	10.5
181	1	nf	0	nf	3	nf	-	0.0	-	0.8	-
182	1	nf	1	nf	0	nf	-	0.3	-	0.0	-
183	1	nf	0	nf	nf	nf	-	0.0	-	-	-
184	1	nf	0	nf	nf	nf	-	0.0	-	-	-
186	1	nf	29	nf	nf	3	-	7.3	-	-	0.8
187	1	nf	34	nf	nf	4	-	8.5	-	-	1.0
188	1	nf	45	nf	12	5	-	11.3	-	3.0	1.3
189	1	nf	12	2	6	12	-	3.0	0.5	1.5	3.0
190	1	nf	18	26	1	67	-	4.5	6.5	0.3	16.8
191	1	nf	2	nf	nf	nf	-	0.5	-	-	-
192	1	nf	1	nf	nf	nf	-	0.3	-	-	-

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		Number					Catch Per Unit Effort				
Station	Stratum	1995[a]	1998[b]	2001[c]	2004[d]	2007	1995[a]	1998[b]	2001[c]	2004[d]	2007
193	1	nf	0	nf	nf	nf	-	0.0	-	-	-
194	1	nf	0	nf	nf	nf	-	0.0	-	-	-
195	1	nf	0	nf	nf	nf	-	0.0	-	-	-
196	1	nf	26	nf	nf	nf	-	6.5	-	-	-
197	1	nf	0	nf	nf	nf	-	0.0	-	-	-
198	1	nf	2	nf	nf	nf	-	0.5	-	-	-
199	1	nf	36	nf	nf	nf	-	9.0	-	-	-
200	1	nf	9	nf	nf	nf	-	2.3	-	-	-
201	1	nf	0	1	0	13	-	0.0	0.3	0.0	3.3
202	1	nf	nf	nf	2	106	-	-	-	0.5	26.5
203	1	nf	nf	nf	0	11	-	-	-	0.0	2.8
301	3	nf	nf	nf	0	1	-	-	-	0.0	0.3
302	3	nf	nf	nf	0	1	-	-	-	0.0	0.3
303	3	nf	nf	nf	0	1	-	-	-	0.0	0.3
304	3	nf	nf	nf	0	0	-	-	-	0.0	0.0
305	3	nf	nf	nf	0	nf	-	-	-	0.0	-
306	3	nf	nf	nf	0	0	-	-	-	0.0	0.0
307	3	nf	nf	nf	0	5	-	-	-	0.0	1.3
308	3	nf	nf	nf	0	5	-	-	-	0.0	1.3
309	3	nf	nf	nf	0	8	-	-	-	0.0	2.0
310	3	nf	nf	nf	3	3	-	-	-	0.8	1.0
	Totals:	3,851	3,769	2,952	861	3,189	7.0	6.9	4.7	1.2	4.5

Note: nf denotes that station was not fished during that survey year.

[a] 1995 survey data from Blau (1996) and the 'StMatt95' database, December 28, 2007.

[b] 1998 survey data from Blau and Watson (1999a) and the 'StMatt98' database, December 28, 2007.

[c] 2001 survey data from Watson and Burt (2002) and the 'StMatt01' database, December 28, 2007.

[d] 2004 survey data from Watson (2005) and the 'StMatt04' database, December 28, 2007.

Appendix B2.–Sublegal male blue king crab and catch per unit effort (CPUE; catch per pot lift) from the five triennial St. Matthew Island pot surveys, 1995 – 2007.

		Number					Catch Per Unit Effort				
Station	Stratum	1995[a]	1998[b]	2001[c]	2004[d]	2007	1995[a]	1998[b]	2001[c]	2004[d]	2007
1	1	11	17	3	1	2	2.8	4.3	0.8	0.3	0.5
2	1	5	28	10	2	3	1.3	7.0	2.5	0.5	0.8
3	1	16	37	45	4	2	4.0	9.3	11.3	1.0	0.5
4	2	43	17	54	9	10	10.8	4.3	13.5	2.3	2.5
5	2	131	25	23	4	30	32.8	6.3	5.8	1.0	7.5
6	1	1	19	4	0	3	0.3	4.8	1.0	0.0	0.8
7	1	4	26	7	3	1	1.0	6.5	1.8	0.8	0.3
8	1	33	54	39	5	5	8.3	13.5	9.8	1.3	1.3
9	2	39	87	35	14	2	9.8	21.8	8.8	3.5	0.5
10	2	79	24	31	4	1	19.8	6.0	7.8	1.0	0.3
11	2	143	11	26	3	56	35.8	2.8	6.5	0.8	14.0
12	2	23	nf	55	8	7	5.8	-	13.8	2.0	1.8
13	2	38	nf	29	17	45	9.5	-	7.3	4.3	11.3
14	2	121	nf	9	4	38	30.3	-	2.3	1.0	9.5
15	1	4	45	7	0	9	1.0	11.3	1.8	0.0	2.3
16	1	8	27	25	1	12	2.0	6.8	6.3	0.3	3.0
17	1	5	58	28	5	0	1.3	14.5	7.0	1.3	0.0
18	2	34	89	72	23	5	8.5	22.3	18.0	5.8	1.3
19	2	61	51	48	22	12	15.3	12.8	12.0	5.5	3.0
20	2	37	30	57	11	32	9.3	7.5	14.3	2.8	8.0
21	2	48	7	10	13	27	12.0	1.8	2.5	3.3	6.8
22	1	nf[e]	3	13	2	63	-	0.8	3.3	0.5	15.8
23	1	nf	69	5	3	6	-	17.3	1.3	0.8	1.5
24	2	8	nf	26	8	6	2.0	-	6.5	2.0	1.5
25	2	103	nf	50	25	2	25.8	-	12.5	6.3	0.5
26	2	28	nf	25	16	29	7.0	-	6.3	4.0	7.3
27	1	nf	7	4	0	3	-	1.8	1.0	0.0	0.8
28	1	20	21	20	2	43	5.0	5.3	5.0	0.5	10.8
29	1	16	51	16	0	10	4.0	12.8	4.0	0.0	2.5
30	2	6	40	15	9	9	1.5	10.0	3.8	2.3	2.3
31	2	77	58	49	10	11	19.3	14.5	12.3	2.5	2.8
32	2	18	23	37	16	8	4.5	5.8	9.3	4.0	2.0
33	2	90	17	41	2	53	22.5	4.3	10.3	0.5	13.3
34	2	105	22	15	24	37	26.3	5.5	3.8	6.0	9.3
35	2	155	57	51	5	45	38.8	14.3	12.8	1.3	11.3
36	1	57	30	0	0	30	14.3	7.5	0.0	0.0	7.5
37	1	7	8	1	1	4	1.8	2.0	0.3	0.3	1.0
38	2	22	nf	34	12	10	5.5	-	8.5	3.0	2.5
39	2	16	nf	38	17	14	4.0	-	9.5	4.3	3.5
40	2	19	nf	45	22	9	4.8	-	11.3	5.5	2.3
41	2	59	nf	22	3	52	14.8	-	5.5	0.8	13.0
42	2	161	nf	4	4	27	40.3	-	1.0	1.0	6.8
43	2	25	nf	15	9	46	6.3	-	3.8	2.3	11.5
44	1	nf	1	2	0	4	-	0.3	0.5	0.0	1.0

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		Number					Catch Per Unit Effort				
Station	Stratum	1995[a]	1998[b]	2001[c]	2004[d]	2007	1995[a]	1998[b]	2001[c]	2004[d]	2007
45	1	8	31	14	0	7	2.0	7.8	3.5	0.0	1.8
46	1	14	37	28	1	18	3.5	9.3	7.0	0.3	4.5
47	2	18	36	27	5	19	4.5	9.0	6.8	1.3	4.8
48	2	5	36	15	4	10	1.3	9.0	3.8	1.0	2.5
49	2	24	33	14	4	4	6.0	8.3	3.5	1.0	1.0
50	2	41	25	17	5	20	10.3	6.3	4.3	1.3	5.0
51	2	92	20	3	4	29	23.0	5.0	0.8	1.0	7.3
52	2	44	6	7	2	30	11.0	1.5	1.8	0.5	7.5
53	2	25	27	31	1	7	6.3	6.8	7.8	0.3	1.8
54	1	25	7	1	0	12	6.3	1.8	0.3	0.0	3.0
55	1	20	16	3	1	10	5.0	4.0	0.8	0.3	2.5
56	2	13	nf	16	0	16	3.3	-	4.0	0.0	4.0
57	2	10	nf	8	0	4	2.5	-	2.0	0.0	1.0
58	2	11	nf	28	1	18	2.8	-	7.0	0.3	4.5
59	2	22	nf	14	3	8	5.5	-	3.5	0.8	2.0
60	2	13	nf	3	1	26	3.3	-	0.8	0.3	6.5
61	2	3	nf	13	0	1	0.8	-	3.3	0.0	0.3
62	1	nf	8	3	0	7	-	2.0	0.8	0.0	1.8
63	1	13	13	2	1	6	3.3	3.3	0.5	0.3	1.5
64	1	43	37	7	1	35	10.8	9.3	1.8	0.3	8.8
65	2	10	43	9	1	26	2.5	10.8	2.3	0.3	6.5
66	2	3	44	13	1	10	0.8	11.0	3.3	0.3	2.5
67	2	12	18	15	3	17	3.0	4.5	3.8	0.8	4.3
68	2	5	10	6	1	13	1.3	2.5	1.5	0.3	3.3
69	2	21	15	10	3	14	5.3	3.8	2.5	0.8	3.5
70	2	24	4	5	0	10	6.0	1.0	1.3	0.0	2.5
71	2	18	8	7	0	0	4.5	2.0	1.8	0.0	0.0
72	1	11	1	2	1	2	2.8	0.3	0.5	0.3	0.5
73	1	9	5	2	0	4	2.3	1.3	0.5	0.0	1.0
74	1	17	7	2	0	15	4.3	1.8	0.5	0.0	3.8
75	1	8	10	0	1	5	2.0	2.5	0.0	0.3	1.3
76	1	91	43	52	13	86	22.8	10.8	13.0	3.3	21.5
77	1	43	17	9	0	46	10.8	4.3	2.3	0.0	11.5
78	1	10	53	12	2	27	2.5	13.3	3.0	0.5	6.8
79	1	8	23	14	3	13	2.0	5.8	3.5	0.8	3.3
80	1	21	11	10	1	16	5.3	2.8	2.5	0.3	4.0
81	1	5	6	3	0	16	1.3	1.5	0.8	0.0	4.0
82	1	1	6	11	0	12	0.3	1.5	2.8	0.0	3.0
83	1	11	8	1	0	8	2.8	2.0	0.3	0.0	2.0
84	1	5	5	4	0	0	1.3	1.3	1.0	0.0	0.0
85	1	6	1	1	0	7	1.5	0.3	0.3	0.0	1.8
86	1	17	13	2	0	12	4.3	3.3	0.5	0.0	3.0
87	1	12	12	3	0	7	3.0	3.0	0.8	0.0	1.8
88	1	11	8	6	0	24	2.8	2.0	1.5	0.0	6.0
89	1	150	53	44	2	54	37.5	13.3	11.0	0.5	13.5

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Station	Stratum	Number					Catch Per Unit Effort				
		1995[a]	1998[b]	2001[c]	2004[d]	2007	1995[a]	1998[b]	2001[c]	2004[d]	2007
90	1	13	21	7	2	15	3.3	5.3	1.8	0.5	3.8
91	1	14	20	5	0	25	3.5	5.0	1.3	0.0	6.3
92	1	20	30	24	0	28	5.0	7.5	6.0	0.0	7.0
93	1	12	6	12	0	8	3.0	1.5	3.0	0.0	2.0
94	1	2	6	1	0	16	0.5	1.5	0.3	0.0	4.0
95	1	13	6	0	0	6	3.3	1.5	0.0	0.0	1.5
96	1	1	nf	0	1	1	0.3	-	0.0	0.3	0.3
97	1	5	nf	2	0	10	1.3	-	0.5	0.0	2.5
98	1	6	14	2	0	2	1.5	3.5	0.5	0.0	0.5
99	1	4	13	2	0	6	1.0	3.3	0.5	0.0	1.5
100	1	15	10	0	0	28	3.8	2.5	0.0	0.0	7.0
101	1	21	20	10	0	24	5.3	5.0	2.5	0.0	6.0
102	1	48	23	20	0	57	12.0	5.8	5.0	0.0	14.3
103	1	15	19	13	0	16	3.8	4.8	3.3	0.0	4.0
104	1	7	7	13	0	24	1.8	1.8	3.3	0.0	6.0
105	1	14	17	7	0	43	3.5	4.3	1.8	0.0	10.8
106	1	0	nf	7	0	20	0.0	-	1.8	0.0	5.0
107	1	2	nf	0	0	6	0.5	-	0.0	0.0	1.5
108	1	2	nf	0	0	5	0.5	-	0.0	0.0	1.3
109	1	1	nf	14	0	3	0.3	-	3.5	0.0	0.8
110	1	1	7	2	0	4	0.3	1.8	0.5	0.0	1.0
111	1	12	11	0	0	6	3.0	2.8	0.0	0.0	1.5
112	1	8	7	11	0	10	2.0	1.8	2.8	0.0	2.5
113	1	11	9	1	0	12	2.8	2.3	0.3	0.0	3.0
114	1	6	17	12	0	38	1.5	4.3	3.0	0.0	9.5
115	1	11	10	16	0	45	2.8	2.5	4.0	0.0	11.3
116	1	3	8	9	1	35	0.8	2.0	2.3	0.3	8.8
117	1	2	nf	3	0	23	0.5	-	0.8	0.0	5.8
118	1	2	nf	3	0	8	0.5	-	0.8	0.0	2.0
119	1	nf	nf	2	0	9	-	-	0.5	0.0	2.3
120	1	nf	nf	0	0	3	-	-	0.0	0.0	0.8
121	1	nf	nf	0	0	0	-	-	0.0	0.0	0.0
122	1	8	12	0	0	23	2.0	3.0	0.0	0.0	5.8
123	1	5	9	2	0	7	1.3	2.3	0.5	0.0	1.8
124	1	4	7	2	0	13	1.0	1.8	0.5	0.0	3.3
125	1	5	7	1	1	10	1.3	1.8	0.3	0.3	2.5
126	1	2	6	4	0	10	0.5	1.5	1.0	0.0	2.5
127	1	4	4	2	0	4	1.0	1.0	0.5	0.0	1.0
128	1	4	9	1	0	13	1.0	2.3	0.3	0.0	3.3
129	1	6	nf	0	1	15	1.5	-	0.0	0.3	3.8
130	1	1	nf	2	0	8	0.3	-	0.5	0.0	2.0
131	1	nf	nf	1	0	1	-	-	0.3	0.0	0.3
132	1	nf	nf	0	0	nf	-	-	0.0	0.0	-
133	1	nf	nf	0	0	nf	-	-	0.0	0.0	-
134	1	5	nf	nf	0	25	1.3	-	-	0.0	6.3

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		Number					Catch Per Unit Effort				
Station	Stratum	1995[a]	1998[b]	2001[c]	2004[d]	2007	1995[a]	1998[b]	2001[c]	2004[d]	2007
135	1	5	nf	1	0	38	1.3	-	0.3	0.0	9.5
136	1	1	nf	6	0	13	0.3	-	1.5	0.0	3.3
137	1	4	nf	7	0	13	1.0	-	1.8	0.0	3.3
138	1	4	nf	2	0	12	1.0	-	0.5	0.0	3.0
139	1	1	nf	0	nf	5	0.3	-	0.0	0.0	1.3
140	1	2	nf	2	nf	11	0.5	-	0.5	0.0	2.8
141	1	0	nf	0	nf	3	0.0	-	0.0	0.0	0.8
142	1	0	nf	1	nf	0	0.0	-	0.3	0.0	0.0
143	1	nf	nf	0	nf	0	-	-	0.0	0.0	0.0
144	1	nf	nf	0	nf	nf	-	-	0.0	0.0	-
145	1	nf	nf	0	nf	nf	-	-	0.0	0.0	-
146	2	75	nf	2	1	28	18.8	-	0.5	0.3	7.0
147	2	44	1	0	1	12	11.0	0.3	0.0	0.3	3.0
148	2	95	nf	10	6	16	23.8	-	2.5	1.5	4.0
149	2	92	1	1	0	46	23.0	0.3	0.3	0.0	11.5
150	2	167	nf	50	11	14	41.8	-	12.5	2.8	3.5
151	2	87	nf	36	11	5	21.8	-	9.0	2.8	1.3
152	2	66	nf	13	1	24	16.5	-	3.3	0.3	6.0
156	1	nf	2	nf	nf	0	-	0.5	-	0.0	0.0
157	1	nf	5	nf	1	1	-	1.3	-	0.3	0.3
158	1	nf	11	nf	2	2	-	2.8	-	0.5	0.5
159	1	nf	4	nf	0	4	-	1.0	-	0.0	1.0
160	1	nf	0	nf	0	0	-	0.0	-	0.0	0.0
167	1	nf	8	nf	4	1	-	2.0	-	1.0	0.3
168	1	nf	6	2	2	1	-	1.5	0.5	0.5	0.3
169	1	nf	9	4	8	1	-	2.3	1.0	2.0	0.3
170	1	nf	15	nf	3	38	-	3.8	-	0.8	9.5
171	1	nf	1	nf	0	0	-	0.3	-	0.0	0.0
172	1	nf	1	nf	0	nf	-	0.3	-	0.0	-
173	1	nf	0	nf	nf	nf	-	0.0	-	-	-
177	1	nf	14	nf	nf	1	-	3.5	-	-	0.3
178	1	nf	57	nf	8	2	-	14.3	-	2.0	0.5
179	1	nf	15	5	8	4	-	3.8	1.3	2.0	1.0
180	1	nf	54	4	37	35	-	13.5	1.0	9.3	8.8
181	1	nf	2	nf	0	nf	-	0.5	-	0.0	-
182	1	nf	4	nf	1	nf	-	1.0	-	0.3	-
183	1	nf	1	nf	nf	nf	-	0.3	-	-	-
184	1	nf	0	nf	nf	nf	-	0.0	-	-	-
186	1	nf	9	nf	nf	3	-	2.3	-	-	0.8
187	1	nf	25	nf	nf	1	-	6.3	-	-	0.3
188	1	nf	38	nf	5	3	-	9.5	-	1.3	0.8
189	1	nf	15	33	12	10	-	3.8	8.3	3.0	2.5
190	1	nf	10	20	9	35	-	2.5	5.0	2.3	8.8
191	1	nf	2	nf	nf	nf	-	0.5	-	-	-
192	1	nf	3	nf	nf	nf	-	0.8	-	-	-

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		Number					Catch Per Unit Effort				
Station	Stratum	1995[a]	1998[b]	2001[c]	2004[d]	2007	1995[a]	1998[b]	2001[c]	2004[d]	2007
193	1	nf	2	nf	nf	nf	-	0.5	-	-	-
194	1	nf	0	nf	nf	nf	-	0.0	-	-	-
195	1	nf	0	nf	nf	nf	-	0.0	-	-	-
196	1	nf	47	nf	nf	nf	-	11.8	-	-	-
197	1	nf	2	nf	nf	nf	-	0.5	-	-	-
198	1	nf	0	nf	nf	nf	-	0.0	-	-	-
199	1	nf	65	nf	nf	nf	-	16.3	-	-	-
200	1	nf	8	nf	nf	nf	-	2.0	-	-	-
201	1	nf	2	2	1	32	-	0.5	0.5	0.3	8.0
202	1	nf	nf	nf	6	44	-	-	-	1.5	11.0
203	1	nf	nf	nf	0	15	-	-	-	0.0	3.8
301	3	nf	nf	nf	0	0	-	-	-	0.0	0.0
302	3	nf	nf	nf	2	4	-	-	-	0.5	1.0
303	3	nf	nf	nf	0	3	-	-	-	0.0	0.8
304	3	nf	nf	nf	0	3	-	-	-	0.0	0.8
305	3	nf	nf	nf	2	nf	-	-	-	0.5	-
306	3	nf	nf	nf	1	2	-	-	-	0.3	0.5
307	3	nf	nf	nf	0	13	-	-	-	0.0	3.3
308	3	nf	nf	nf	0	11	-	-	-	0.0	2.8
309	3	nf	nf	nf	0	6	-	-	-	0.0	1.5
310	3	nf	nf	nf	0	2	-	-	-	0.0	0.7
	Totals:	3,807	2,589	2,056	558	2,736	6.9	4.7	3.3	0.8	3.8

Note: nf denotes that station was not fished during that survey year.

[a] 1995 survey data from Blau (1996) and the 'StMatt95' database, December 28, 2007.

[b] 1998 survey data from Blau and Watson (1999a) and the 'StMatt98' database, December 28, 2007.

[c] 2001 survey data from Watson and Burt (2002) and the 'StMatt01' database, December 28, 2007.

[d] 2004 survey data from Watson (2005) and the 'StMatt04' database, December 28, 2007.

APPENDIX C. FEMALE BLUE KING CRAB CATCH

Appendix C1.–Female blue king crab and catch per unit effort (CPUE; catch per pot lift) from the five triennial St. Matthew Island pot surveys, 1995 – 2007.

		Number					Catch Per Unit Effort				
Station	Stratum	1995[a]	1998[b]	2001[c]	2004[d]	2007	1995[a]	1998[b]	2001[c]	2004[d]	2007
1	1	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
2	1	0	1	0	0	0	0.0	0.3	0.0	0.0	0.0
3	1	0	4	1	0	0	0.0	1.0	0.3	0.0	0.0
4	2	1	14	1	0	3	0.3	3.5	0.3	0.0	0.8
5	2	17	33	5	9	8	4.3	8.3	1.3	2.3	2.0
6	1	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
7	1	0	2	0	0	0	0.0	0.5	0.0	0.0	0.0
8	1	0	20	3	0	0	0.0	5.0	0.8	0.0	0.0
9	2	4	52	3	0	1	1.0	13.0	0.8	0.0	0.3
10	2	8	58	4	1	1	2.0	14.5	1.0	0.3	0.3
11	2	108	107	40	9	53	27.0	26.8	10.0	2.3	13.3
12	2	2	nf	11	1	0	0.5	-	2.8	0.3	0.0
13	2	3	nf	3	5	3	0.8	-	0.8	1.3	0.8
14	2	154	nf	44	3	95	38.5	-	11.0	0.8	23.8
15	1	0	4	0	0	0	0.0	1.0	0.0	0.0	0.0
16	1	0	0	1	0	1	0.0	0.0	0.3	0.0	0.3
17	1	0	20	2	0	0	0.0	5.0	0.5	0.0	0.0
18	2	0	105	3	0	0	0.0	26.3	0.8	0.0	0.0
19	2	5	105	14	4	2	1.3	26.3	3.5	1.0	0.5
20	2	4	150	17	3	14	1.0	37.5	4.3	0.8	3.5
21	2	419	72	30	20	76	104.8	18.0	7.5	5.0	19.0
22	1	nf	53	3	4	109	-	13.3	0.8	1.0	27.3
23	1	nf	41	2	0	0	-	10.3	0.5	0.0	0.0
24	2	4	nf	3	3	0	1.0	-	0.8	0.8	0.0
25	2	11	nf	27	2	0	2.8	-	6.8	0.5	0.0
26	2	14	nf	29	8	18	3.5	-	7.3	2.0	4.5
27	1	nf	0	0	0	0	-	0.0	0.0	0.0	0.0
28	1	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
29	1	0	0	2	0	0	0.0	0.0	0.5	0.0	0.0
30	2	0	45	7	0	0	0.0	11.3	1.8	0.0	0.0
31	2	8	157	12	1	1	2.0	39.3	3.0	0.3	0.3
32	2	7	91	3	1	0	1.8	22.8	0.8	0.3	0.0
33	2	104	106	82	0	27	26.0	26.5	20.5	0.0	6.8
34	2	590	245	27	50	44	147.5	61.3	6.8	12.5	11.0
35	2	26	45	4	0	7	6.5	11.3	1.0	0.0	1.8
36	1	13	5	0	0	7	3.3	1.3	0.0	0.0	1.8
37	1	0	2	0	0	0	0.0	0.5	0.0	0.0	0.0
38	2	1	nf	13	1	0	0.3	-	3.3	0.3	0.0
39	2	2	nf	10	2	0	0.5	-	2.5	0.5	0.0
40	2	6	nf	14	2	0	1.5	-	3.5	0.5	0.0
41	2	224	nf	78	13	40	56.0	-	19.5	3.3	10.0
42	2	267	nf	13	10	66	66.8	-	3.3	2.5	16.5
43	2	11	nf	1	2	24	2.8	-	0.3	0.5	6.0
44	1	nf	0	0	0	0	0.0	0.0	0.0	0.0	0.0

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		Number					Catch Per Unit Effort				
Station	Stratum	1995[a]	1998[b]	2001[c]	2004[d]	2007	1995[a]	1998[b]	2001[c]	2004[d]	2007
45	1	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
46	1	0	0	3	0	1	0.0	0.0	0.8	0.0	0.3
47	2	1	38	11	0	0	0.3	9.5	2.8	0.0	0.0
48	2	1	70	2	0	0	0.3	17.5	0.5	0.0	0.0
49	2	9	54	5	1	3	2.3	13.5	1.3	0.3	0.8
50	2	36	65	17	0	1	9.0	16.3	4.3	0.0	0.3
51	2	55	101	11	2	15	13.8	25.3	2.8	0.5	3.8
52	2	7	36	12	4	5	1.8	9.0	3.0	1.0	1.3
53	2	7	8	2	0	0	1.8	2.0	0.5	0.0	0.0
54	1	2	1	1	1	0	0.5	0.3	0.3	0.3	0.0
55	1	5	0	0	1	0	1.3	0.0	0.0	0.3	0.0
56	2	1	nf	2	1	0	0.3	-	0.5	0.3	0.0
57	2	2	nf	7	1	0	0.5	-	1.8	0.3	0.0
58	2	7	nf	11	0	2	1.8	-	2.8	0.0	0.5
59	2	6	nf	9	1	0	1.5	-	2.3	0.3	0.0
60	2	2	nf	3	1	1	0.5	-	0.8	0.3	0.3
61	2	1	nf	5	0	1	0.3	-	1.3	0.0	0.3
62	1	nf	0	0	0	0	-	0.0	0.0	0.0	0.0
63	1	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
64	1	0	0	0	0	1	0.0	0.0	0.0	0.0	0.3
65	2	0	8	1	0	0	0.0	2.0	0.3	0.0	0.0
66	2	1	17	5	0	0	0.3	4.3	1.3	0.0	0.0
67	2	2	41	15	1	0	0.5	10.3	3.8	0.3	0.0
68	2	5	33	3	1	6	1.3	8.3	0.8	0.3	1.5
69	2	4	24	2	0	1	1.0	6.0	0.5	0.0	0.3
70	2	3	11	4	0	0	0.8	2.8	1.0	0.0	0.0
71	2	3	3	0	0	0	0.8	0.8	0.0	0.0	0.0
72	1	1	0	0	0	0	0.3	0.0	0.0	0.0	0.0
73	1	0	0	1	0	1	0.0	0.0	0.3	0.0	0.3
74	1	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
75	1	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
76	1	0	0	0	0	2	0.0	0.0	0.0	0.0	0.5
77	1	0	0	0	0	3	0.0	0.0	0.0	0.0	0.8
78	1	0	8	3	0	3	0.0	2.0	0.8	0.0	0.8
79	1	0	7	5	1	0	0.0	1.8	1.3	0.3	0.0
80	1	1	14	3	0	1	0.3	3.5	0.8	0.0	0.3
81	1	0	20	4	0	0	0.0	5.0	1.0	0.0	0.0
82	1	0	1	1	0	0	0.0	0.3	0.3	0.0	0.0
83	1	0	2	0	0	0	0.0	0.5	0.0	0.0	0.0
84	1	0	2	0	0	1	0.0	0.5	0.0	0.0	0.3
85	1	1	0	1	0	0	0.3	0.0	0.3	0.0	0.0
86	1	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
87	1	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
88	1	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
89	1	1	0	1	0	1	0.3	0.0	0.3	0.0	0.3

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		Number					Catch Per Unit Effort				
Station	Stratum	1995[a]	1998[b]	2001[c]	2004[d]	2007	1995[a]	1998[b]	2001[c]	2004[d]	2007
90	1	0	1	0	0	2	0.0	0.3	0.0	0.0	0.5
91	1	0	2	1	0	5	0.0	0.5	0.3	0.0	1.3
92	1	1	1	0	0	0	0.3	0.3	0.0	0.0	0.0
93	1	0	4	1	0	1	0.0	1.0	0.3	0.0	0.3
94	1	0	2	0	0	3	0.0	0.5	0.0	0.0	0.8
95	1	1	0	0	0	0	0.3	0.0	0.0	0.0	0.0
96	1	0	nf	0	0	0	0.0	-	0.0	0.0	0.0
97	1	1	nf	1	0	1	0.3	-	0.3	0.0	0.3
98	1	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
99	1	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
100	1	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
101	1	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
102	1	0	0	0	0	2	0.0	0.0	0.0	0.0	0.5
103	1	0	1	0	0	1	0.0	0.3	0.0	0.0	0.3
104	1	0	1	0	0	0	0.0	0.3	0.0	0.0	0.0
105	1	0	2	0	0	3	0.0	0.5	0.0	0.0	0.8
106	1	0	nf	0	0	0	0.0	-	0.0	0.0	0.0
107	1	0	nf	0	0	0	0.0	-	0.0	0.0	0.0
108	1	0	nf	0	0	0	0.0	-	0.0	0.0	0.0
109	1	0	nf	0	0	0	0.0	-	0.0	0.0	0.0
110	1	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
111	1	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
112	1	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
113	1	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
114	1	0	0	0	0	1	0.0	0.0	0.0	0.0	0.3
115	1	0	0	0	0	1	0.0	0.0	0.0	0.0	0.3
116	1	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
117	1	0	nf	0	0	0	0.0	-	0.0	0.0	0.0
118	1	0	nf	0	0	0	0.0	-	0.0	0.0	0.0
119	1	nf	nf	0	0	0	-	-	0.0	0.0	0.0
120	1	nf	nf	0	0	0	-	-	0.0	0.0	0.0
121	1	nf	nf	0	0	0	-	-	0.0	0.0	0.0
122	1	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
123	1	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
124	1	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
125	1	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
126	1	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
127	1	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
128	1	0	1	0	0	0	0.0	0.3	0.0	0.0	0.0
129	1	0	nf	0	0	0	0.0	-	0.0	0.0	0.0
130	1	0	nf	0	0	0	0.0	-	0.0	0.0	0.0
131	1	nf	nf	0	0	0	-	-	0.0	0.0	0.0
132	1	nf	nf	0	0	nf	-	-	0.0	0.0	-
133	1	nf	nf	0	0	nf	-	-	0.0	0.0	-
134	1	0	nf	nf	0	0	0.0	-	-	0.0	0.0

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Appendix C1.–Page 4 of 5.

		Number					Catch Per Unit Effort				
Station	Stratum	1995[a]	1998[b]	2001[c]	2004[d]	2007	1995[a]	1998[b]	2001[c]	2004[d]	2007
135	1	0	nf	0	0	0	0.0	-	0.0	0.0	0.0
136	1	0	nf	0	0	0	0.0	-	0.0	0.0	0.0
137	1	0	nf	0	0	0	0.0	-	0.0	0.0	0.0
138	1	0	nf	0	0	0	0.0	-	0.0	0.0	0.0
139	1	0	nf	0	nf	0	0.0	-	0.0	-	0.0
140	1	0	nf	0	nf	0	0.0	-	0.0	-	0.0
141	1	0	nf	0	nf	0	0.0	-	0.0	-	0.0
142	1	0	nf	0	nf	0	0.0	-	0.0	-	0.0
143	1	nf	nf	0	nf	0	-	-	0.0	-	0.0
144	1	nf	nf	0	nf	nf	-	-	0.0	-	-
145	1	nf	nf	0	nf	nf	-	-	0.0	-	-
146	2	366	nf	13	0	56	91.5	-	3.3	0.0	14.0
147	2	68	2	1	0	1	17.0	0.5	0.3	0.0	0.3
148	2	332	nf	24	15	56	83.0	-	6.0	3.8	14.0
149	2	14	6	0	7	72	3.5	1.5	0.0	1.8	18.0
150	2	56	nf	12	5	4	14.0	-	3.0	1.3	1.0
151	2	3	nf	4	2	0	0.8	-	1.0	0.5	0.0
152	2	6	nf	0	0	0	1.5	-	0.0	0.0	0.0
156	1	nf	1	nf	nf	0	-	0.3	-	-	0.0
157	1	nf	1	nf	0	0	-	0.3	-	0.0	0.0
158	1	nf	0	nf	0	0	-	0.0	-	0.0	0.0
159	1	nf	0	nf	0	0	-	0.0	-	0.0	0.0
160	1	nf	0	nf	0	0	-	0.0	-	0.0	0.0
167	1	nf	1	nf	0	0	-	0.3	-	0.0	0.0
168	1	nf	1	0	0	0	-	0.3	0.0	0.0	0.0
169	1	nf	1	0	0	1	-	0.3	0.0	0.0	0.3
170	1	nf	1	nf	2	3	-	0.3	-	0.5	0.8
171	1	nf	0	nf	0	0	-	0.0	-	0.0	0.0
172	1	nf	0	nf	0	nf	-	0.0	-	0.0	-
173	1	nf	0	nf	nf	nf	-	0.0	-	-	-
177	1	nf	1	nf	nf	0	-	0.3	-	-	0.0
178	1	nf	7	nf	0	0	-	1.8	-	0.0	0.0
179	1	nf	6	0	1	0	-	1.5	0.0	0.3	0.0
180	1	nf	6	0	31	0	-	1.5	0.0	7.8	0.0
181	1	nf	0	nf	0	nf	-	0.0	-	0.0	-
182	1	nf	0	nf	0	nf	-	0.0	-	0.0	-
183	1	nf	0	nf	nf	nf	-	0.0	-	-	-
184	1	nf	0	nf	nf	nf	-	0.0	-	-	-
186	1	nf	0	nf	nf	0	-	0.0	-	-	0.0
187	1	nf	1	nf	nf	1	-	0.3	-	-	0.3
188	1	nf	9	nf	2	0	-	2.3	-	0.5	0.0
189	1	nf	8	1	0	1	-	2.0	0.3	0.0	0.3
190	1	nf	9	1	6	9	-	2.3	0.3	1.5	2.3
191	1	nf	0	nf	nf	nf	-	0.0	-	-	-
192	1	nf	0	nf	nf	nf	-	0.0	-	-	-

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		Number					Catch Per Unit Effort				
Station	Stratum	1995[a]	1998[b]	2001[c]	2004[d]	2007	1995[a]	1998[b]	2001[c]	2004[d]	2007
193	1	nf	0	nf	nf	nf	-	0.0	-	-	-
194	1	nf	0	nf	nf	nf	-	0.0	-	-	-
195	1	nf	0	nf	nf	nf	-	0.0	-	-	-
196	1	nf	13	nf	nf	nf	-	3.3	-	-	-
197	1	nf	1	nf	nf	nf	-	0.3	-	-	-
198	1	nf	0	nf	nf	nf	-	0.0	-	-	-
199	1	nf	53	nf	nf	nf	-	13.3	-	-	-
200	1	nf	1	nf	nf	nf	-	0.3	-	-	-
201	1	nf	10	16	11	116	-	2.5	4.0	2.8	29.0
202	1	nf	nf	nf	9	62	-	-	-	2.3	15.5
203	1	nf	nf	nf	2	0	-	-	-	0.5	0.0
301	3	nf	nf	nf	2	24	-	-	-	0.5	6.0
302	3	nf	nf	nf	0	166	-	-	-	0.0	41.5
303	3	nf	nf	nf	0	490	-	-	-	0.0	122.5
304	3	nf	nf	nf	0	69	-	-	-	0.0	17.3
305	3	nf	nf	nf	0	nf	-	-	-	0.0	-
306	3	nf	nf	nf	4	113	-	-	-	1.0	28.3
307	3	nf	nf	nf	1	138	-	-	-	0.3	34.5
308	3	nf	nf	nf	7	193	-	-	-	1.8	48.3
309	3	nf	nf	nf	1	241	-	-	-	0.3	60.3
310	3	nf	nf	nf	16	45	-	-	-	4.0	15.0
Total		3,025	2,255	737	294	2,530	5.4	4.1	1.2	0.4	3.5

Note: nf denotes that station was not fished during that survey year.

[a] 1995 survey data from Blau (1996) and the 'StMatt95' database, December 28, 2007.

[b] 1998 survey data from Blau and Watson (1999a) and the 'StMatt98' database, December 28, 2007.

[c] 2001 survey data from Watson and Burt (2002) and the 'StMatt01' database, December 28, 2007.

[d] 2004 survey data from Watson (2005) and the 'StMatt04' database, December 28, 2007.

[e] Station not fished in that survey year.

APPENDIX D. SNOW CRAB CATCH

Appendix D1.–Snow crab catch, catch per unit effort (CPUE; catch per pot lift), and station locations from the 2007 St. Matthew Island pot survey.

				Males						Females					
		Location		Legal		Sublegal		Total		Mature		Immature		Total	
Station	Stratum	N. lat.	W. long.	No.	CPUE	No.	CPUE	No.	CPUE	No.	CPUE	No.	CPUE	No.	CPUE
1	1	60.46	173.92	7	1.8	4	1.0	11	2.8	0	0.0	0	0.0	0	0.0
2	1	60.46	173.75	25	6.3	10	2.5	35	8.8	0	0.0	0	0.0	0	0.0
3	1	60.46	173.58	2	0.5	0	0.0	2	0.5	0	0.0	0	0.0	0	0.0
4	2	60.46	173.41	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5	2	60.46	173.25	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
6	1	60.38	173.92	29	7.3	7	1.8	36	9.0	1	0.3	0	0.0	1	0.3
7	1	60.38	173.75	37	9.3	32	8.0	69	17.3	12	3.0	2	0.5	14	3.5
8	1	60.38	173.58	7	1.8	7	1.8	14	3.5	0	0.0	1	0.3	1	0.3
9	2	60.38	173.41	0	0.0	1	0.3	1	0.3	0	0.0	0	0.0	0	0.0
10	2	60.38	173.25	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
11	2	60.37	173.08	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
12	2	60.33	173.33	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
13	2	60.33	173.16	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
14	2	60.33	173.00	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15	1	60.29	173.92	117	29.3	94	23.5	211	52.8	26	6.5	43	10.8	69	17.3
16	1	60.29	173.75	37	9.3	13	3.3	50	12.5	0	0.0	1	0.3	1	0.3
17	1	60.29	173.58	51	12.8	42	10.5	93	23.3	1	0.3	3	0.8	4	1.0
18	2	60.29	173.41	12	3.0	11	2.8	23	5.8	0	0.0	0	0.0	0	0.0
19	2	60.29	173.26	6	1.5	10	2.5	16	4.0	0	0.0	1	0.3	1	0.3
20	2	60.29	173.08	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
21	2	60.29	172.91	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
22	1	60.29	172.42	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
23	1	60.29	172.10	2	0.5	2	0.5	4	1.0	0	0.0	0	0.0	0	0.0
24	2	60.25	173.33	6	1.5	7	1.8	13	3.3	0	0.0	1	0.3	1	0.3
25	2	60.25	173.16	4	1.0	80	20.0	84	21.0	1	0.3	17	4.3	18	4.5
26	2	60.25	173.26	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
27	1	60.21	173.91	112	28.0	25	6.3	137	34.3	3	0.8	2	0.5	5	1.3
28	1	60.21	173.75	46	11.5	26	6.5	72	18.0	1	0.3	6	1.5	7	1.8
29	1	60.21	173.58	77	19.3	55	13.8	132	33.0	5	1.3	10	2.5	15	3.8
30	2	60.21	173.42	35	8.8	15	3.8	50	12.5	1	0.3	8	2.0	9	2.3

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Appendix D1.–Page 2 of 6.

				Males						Females					
		Location		Legal		Sublegal		Total		Mature		Immature		Total	
Station	Stratum	N. lat.	W. long.	No.	CPUE	No.	CPUE	No.	CPUE	No.	CPUE	No.	CPUE	No.	CPUE
31	2	60.21	173.25	23	5.8	24	6.0	47	11.8	1	0.3	4	1.0	5	1.3
32	2	60.21	173.08	4	1.0	4	1.0	8	2.0	0	0.0	0	0.0	0	0.0
33	2	60.21	172.92	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
34	2	60.21	172.59	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
35	2	60.21	172.41	0	0.0	0	0.0	0	0.0	0	0.0	4	1.0	4	1.0
36	1	60.21	172.24	2	0.5	0	0.0	2	0.5	0	0.0	0	0.0	0	0.0
37	1	60.21	172.09	6	1.5	7	1.8	13	3.3	0	0.0	0	0.0	0	0.0
38	2	60.16	173.33	43	10.8	29	7.3	72	18.0	2	0.5	9	2.3	11	2.8
39	2	60.17	173.13	47	11.8	34	8.5	81	20.3	1	0.3	9	2.3	10	2.5
40	2	60.17	173.01	3	0.8	1	0.3	4	1.0	0	0.0	0	0.0	0	0.0
41	2	60.17	172.83	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
42	2	60.17	172.67	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
43	2	60.17	172.50	5	1.3	0	0.0	5	1.3	0	0.0	2	0.5	2	0.5
44	2	60.13	173.92	244	61.0	30	7.5	274	68.5	0	0.0	0	0.0	0	0.0
45	1	60.12	173.75	176	44.0	158	39.5	334	83.5	7	1.8	29	7.3	36	9.0
46	1	60.13	173.58	184	46.0	51	12.8	235	58.8	1	0.3	4	1.0	5	1.3
47	2	60.12	173.41	43	10.8	27	6.8	70	17.5	0	0.0	3	0.8	3	0.8
48	2	60.12	173.24	110	27.5	82	20.5	192	48.0	3	0.8	10	2.5	13	3.3
49	2	60.12	173.09	63	15.8	39	9.8	102	25.5	2	0.5	5	1.3	7	1.8
50	2	60.12	172.92	16	4.0	5	1.3	21	5.3	0	0.0	2	0.5	2	0.5
51	2	60.12	172.75	2	0.5	0	0.0	2	0.5	0	0.0	0	0.0	0	0.0
52	2	60.13	172.59	22	5.5	1	0.3	23	5.8	0	0.0	0	0.0	0	0.0
53	2	60.13	172.41	53	13.3	5	1.3	58	14.5	0	0.0	0	0.0	0	0.0
54	1	60.13	172.24	110	27.5	39	9.8	149	37.3	0	0.0	0	0.0	0	0.0
55	1	60.12	172.09	91	22.8	28	7.0	119	29.8	0	0.0	0	0.0	0	0.0
56	2	60.08	173.32	114	28.5	95	23.8	209	52.3	9	2.3	10	2.5	19	4.8
57	2	60.08	173.17	57	14.3	13	3.3	70	17.5	0	0.0	1	0.3	1	0.3
58	2	60.08	173.01	92	23.0	29	7.3	121	30.3	1	0.3	8	2.0	9	2.3
59	2	60.08	172.83	214	53.5	30	7.5	244	61.0	0	0.0	0	0.0	0	0.0
60	2	60.08	172.68	90	22.5	10	2.5	100	25.0	0	0.0	0	0.0	0	0.0

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Appendix D1.–Page 3 of 6.

				Males						Females					
		Location		Legal		Sublegal		Total		Mature		Immature		Total	
Station	Stratum	N. lat.	W. long.	No.	CPUE	No.	CPUE	No.	CPUE	No.	CPUE	No.	CPUE	No.	CPUE
61	2	60.08	172.50	245	61.3	36	9.0	281	70.3	0	0.0	0	0.0	0	0.0
62	1	60.04	173.92	205	51.3	6	1.5	211	52.8	2	0.5	0	0.0	2	0.5
63	1	60.04	173.75	341	85.3	95	23.8	436	109.0	2	0.5	0	0.0	2	0.5
64	1	60.04	173.58	333	83.3	99	24.8	432	108.0	6	1.5	8	2.0	14	3.5
65	2	60.04	173.42	106	26.5	45	11.3	151	37.8	4	1.0	12	3.0	16	4.0
66	2	60.05	173.25	41	10.3	13	3.3	54	13.5	1	0.3	1	0.3	2	0.5
67	2	60.04	173.09	111	27.8	21	5.3	132	33.0	0	0.0	0	0.0	0	0.0
68	2	60.04	172.92	136	34.0	38	9.5	174	43.5	1	0.3	5	1.3	6	1.5
69	2	60.04	172.75	157	39.3	16	4.0	173	43.3	0	0.0	0	0.0	0	0.0
70	2	60.04	172.59	143	35.8	14	3.5	157	39.3	0	0.0	2	0.5	2	0.5
71	2	60.04	172.42	349	87.3	168	42.0	517	129.3	1	0.3	1	0.3	2	0.5
72	1	60.04	172.25	86	21.5	50	12.5	136	34.0	2	0.5	5	1.3	7	1.8
73	1	60.04	172.09	15	3.8	20	5.0	35	8.8	1	0.3	0	0.0	1	0.3
74	1	59.96	173.92	102	25.5	0	0.0	102	25.5	0	0.0	0	0.0	0	0.0
75	1	59.96	173.75	100	25.0	9	2.3	109	27.3	0	0.0	0	0.0	0	0.0
76	1	59.96	173.58	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
77	1	59.96	173.42	19	4.8	14	3.5	33	8.3	3	0.8	2	0.5	5	1.3
78	1	59.96	173.25	75	18.8	52	13.0	127	31.8	7	1.8	5	1.3	12	3.0
79	1	59.96	173.08	163	40.8	29	7.3	192	48.0	0	0.0	0	0.0	0	0.0
80	1	59.96	172.92	252	63.0	19	4.8	271	67.8	0	0.0	0	0.0	0	0.0
81	1	59.96	172.75	344	86.0	63	15.8	407	101.8	0	0.0	1	0.3	1	0.3
82	1	59.96	172.58	459	114.8	85	21.3	544	136.0	1	0.3	0	0.0	1	0.3
83	1	59.96	172.42	231	57.8	69	17.3	300	75.0	0	0.0	0	0.0	0	0.0
84	1	59.96	172.25	38	9.5	16	4.0	54	13.5	0	0.0	0	0.0	0	0.0
85	1	59.96	172.09	50	12.5	53	13.3	103	25.8	1	0.3	0	0.0	1	0.3
86	1	59.88	173.92	93	23.3	8	2.0	101	25.3	76	19.0	0	0.0	76	19.0
87	1	59.88	173.75	134	33.5	4	1.0	138	34.5	0	0.0	0	0.0	0	0.0
88	1	59.88	173.58	71	17.8	3	0.8	74	18.5	0	0.0	0	0.0	0	0.0
89	1	59.87	173.42	20	5.0	4	1.0	24	6.0	0	0.0	0	0.0	0	0.0
90	1	59.88	173.25	12	3.0	9	2.3	21	5.3	3	0.8	0	0.0	3	0.8

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Appendix D1.–Page 4 of 6.

				Males						Females					
		Location		Legal		Sublegal		Total		Mature		Immature		Total	
Station	Stratum	N. lat.	W. long.	No.	CPUE	No.	CPUE	No.	CPUE	No.	CPUE	No.	CPUE	No.	CPUE
91	1	59.88	173.09	112	28.0	60	15.0	172	43.0	21	5.3	9	2.3	30	7.5
92	1	59.88	172.92	182	45.5	39	9.8	221	55.3	1	0.3	1	0.3	2	0.5
93	1	59.88	172.75	262	65.5	64	16.0	326	81.5	0	0.0	2	0.5	2	0.5
94	1	59.88	172.59	183	45.8	61	15.3	244	61.0	1	0.3	0	0.0	1	0.3
95	1	59.87	172.42	216	54.0	69	17.3	285	71.3	1	0.3	1	0.3	2	0.5
96	1	59.88	172.25	155	38.8	79	19.8	234	58.5	0	0.0	2	0.5	2	0.5
97	1	59.87	172.08	150	37.5	151	37.8	301	75.3	1	0.3	0	0.0	1	0.3
98	1	59.79	173.92	73	18.3	2	0.5	75	18.8	0	0.0	0	0.0	0	0.0
99	1	59.79	173.75	184	46.0	3	0.8	187	46.8	0	0.0	0	0.0	0	0.0
100	1	59.79	173.57	101	25.3	13	3.3	114	28.5	0	0.0	0	0.0	0	0.0
101	1	59.79	173.42	112	28.0	13	3.3	125	31.3	19	4.8	0	0.0	19	4.8
102	1	59.79	173.24	138	34.5	22	5.5	160	40.0	2	0.5	0	0.0	2	0.5
103	1	59.79	173.09	4	1.0	1	0.3	5	1.3	0	0.0	0	0.0	0	0.0
104	1	59.79	172.92	253	63.3	99	24.8	352	88.0	53	13.3	15	3.8	68	17.0
105	1	59.79	172.75	138	34.5	49	12.3	187	46.8	9	2.3	5	1.3	14	3.5
106	1	59.79	172.58	204	51.0	51	12.8	255	63.8	0	0.0	0	0.0	0	0.0
107	1	59.79	172.41	305	76.3	75	18.8	380	95.0	4	1.0	1	0.3	5	1.3
108	1	59.79	172.25	169	42.3	62	15.5	231	57.8	1	0.3	1	0.3	2	0.5
109	1	59.79	172.08	232	58.0	130	32.5	362	90.5	1	0.3	0	0.0	1	0.3
110	1	59.71	173.92	307	76.8	20	5.0	327	81.8	0	0.0	0	0.0	0	0.0
111	1	59.71	173.76	128	32.0	7	1.8	135	33.8	1	0.3	0	0.0	1	0.3
112	1	59.71	173.58	89	22.3	6	1.5	95	23.8	1	0.3	0	0.0	1	0.3
113	1	59.71	173.41	85	21.3	11	2.8	96	24.0	3	0.8	0	0.0	3	0.8
114	1	59.71	173.24	70	17.5	3	0.8	73	18.3	0	0.0	0	0.0	0	0.0
115	1	59.71	173.08	36	9.0	1	0.3	37	9.3	0	0.0	0	0.0	0	0.0
116	1	59.71	172.92	55	13.8	4	1.0	59	14.8	0	0.0	0	0.0	0	0.0
117	1	59.71	172.75	162	40.5	33	8.3	195	48.8	0	0.0	0	0.0	0	0.0
118	1	59.71	172.58	180	45.0	68	17.0	248	62.0	6	1.5	0	0.0	6	1.5
119	1	59.71	172.41	256	64.0	126	31.5	382	95.5	11	2.8	0	0.0	11	2.8
120	1	59.71	172.25	228	57.0	111	27.8	339	84.8	7	1.8	0	0.0	7	1.8

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Appendix D1.–Page 5 of 6.

				Males						Females					
		Location		Legal		Sublegal		Total		Mature		Immature		Total	
Station	Stratum	N. lat.	W. long.	No.	CPUE	No.	CPUE	No.	CPUE	No.	CPUE	No.	CPUE	No.	CPUE
121	1	59.71	172.09	200	50.0	118	29.5	318	79.5	2	0.5	0	0.0	2	0.5
122	1	59.63	173.92	208	52.0	7	1.8	215	53.8	0	0.0	0	0.0	0	0.0
123	1	59.62	173.75	213	53.3	18	4.5	231	57.8	17	4.3	0	0.0	17	4.3
124	1	59.62	173.59	138	34.5	6	1.5	144	36.0	0	0.0	0	0.0	0	0.0
125	1	59.61	173.42	227	56.8	8	2.0	235	58.8	1	0.3	0	0.0	1	0.3
126	1	59.63	173.25	262	65.5	11	2.8	273	68.3	4	1.0	0	0.0	4	1.0
127	1	59.62	173.09	203	50.8	8	2.0	211	52.8	0	0.0	0	0.0	0	0.0
128	1	59.62	172.92	103	25.8	3	0.8	106	26.5	0	0.0	0	0.0	0	0.0
129	1	59.62	172.75	120	30.0	15	3.8	135	33.8	0	0.0	0	0.0	0	0.0
130	1	59.62	172.58	107	26.8	22	5.5	129	32.3	0	0.0	0	0.0	0	0.0
131	1	59.62	172.41	252	63.0	153	38.3	405	101.3	19	4.8	0	0.0	19	4.8
134	1	59.54	173.90	267	66.8	17	4.3	284	71.0	2	0.5	0	0.0	2	0.5
135	1	59.54	173.74	436	109.0	23	5.8	459	114.8	0	0.0	0	0.0	0	0.0
136	1	59.54	173.58	223	55.8	16	4.0	239	59.8	1	0.3	0	0.0	1	0.3
137	1	59.54	173.42	179	44.8	10	2.5	189	47.3	1	0.3	0	0.0	1	0.3
138	1	59.54	173.24	142	35.5	7	1.8	149	37.3	0	0.0	0	0.0	0	0.0
139	1	59.54	173.08	128	32.0	7	1.8	135	33.8	0	0.0	0	0.0	0	0.0
140	1	59.54	172.91	141	35.3	4	1.0	145	36.3	0	0.0	0	0.0	0	0.0
141	1	59.54	172.75	243	60.8	16	4.0	259	64.8	0	0.0	0	0.0	0	0.0
142	1	59.54	172.59	166	41.5	44	11.0	210	52.5	0	0.0	0	0.0	0	0.0
143	1	59.54	172.53	173	43.3	82	20.5	255	63.8	1	0.3	0	0.0	1	0.3
146	2	60.25	172.83	0	0.0	0	0.0	0	0.0	0	0.0	2	0.5	2	0.5
147	2	60.38	172.92	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
148	2	60.42	173.00	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
149	2	60.46	173.08	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
150	2	60.42	173.17	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
151	2	60.42	173.33	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
152	2	60.50	173.33	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
156	1	60.79	173.42	11	2.8	79	19.8	90	22.5	28	7.0	9	2.3	37	9.3
157	1	60.79	173.25	3	0.8	12	3.0	15	3.8	0	0.0	0	0.0	0	0.0

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				Males						Females					
		Location		Legal		Sublegal		Total		Mature		Immature		Total	
Station	Stratum	N. lat.	W. long.	No.	CPUE	No.	CPUE	No.	CPUE	No.	CPUE	No.	CPUE	No.	CPUE
158	1	60.79	173.08	3	0.8	1	0.3	4	1.0	0	0.0	0	0.0	0	0.0
159	1	60.79	172.92	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
160	1	60.79	172.75	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
167	1	60.71	173.58	21	5.3	27	6.8	48	12.0	2	0.5	0	0.0	2	0.5
168	1	60.71	173.41	1	0.3	2	0.5	3	0.8	2	0.5	0	0.0	2	0.5
169	1	60.71	173.25	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
170	1	60.71	172.92	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
171	1	60.71	172.75	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
177	1	60.63	173.75	23	5.8	58	14.5	81	20.3	55	13.8	6	1.5	61	15.3
178	1	60.63	173.58	2	0.5	0	0.0	2	0.5	0	0.0	0	0.0	0	0.0
179	1	60.62	173.42	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
180	1	60.63	173.25	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
186	1	60.54	173.92	10	2.5	1	0.3	11	2.8	0	0.0	0	0.0	0	0.0
187	1	60.54	173.96	26	6.5	8	2.0	34	8.5	0	0.0	0	0.0	0	0.0
188	1	60.54	173.67	1	0.3	2	0.5	3	0.8	0	0.0	0	0.0	0	0.0
189	1	60.54	173.43	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
190	1	60.54	173.25	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
201	1	60.29	172.59	0	0.0	2	0.5	2	0.5	0	0.0	0	0.0	0	0.0
202	1	60.25	172.50	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
203	1	60.50	173.17	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
301	3	60.48	173.07	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
302	3	60.47	173.00	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
303	3	60.45	172.95	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
304	3	60.43	172.90	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
306	3	60.37	172.82	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
307	3	60.31	172.54	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
308	3	60.31	172.47	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
309	3	60.31	172.41	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
310	3	60.30	172.34	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total:				15,858	22.2	4,460	6.2	20,318	28.4	467	0.7	291	0.4	758	1.1